3140 Coney Island Ave
Brooklyn, New York
NYSDEC BCP# C224157

PERIODIC REVIEW REPORT

March 29, 2021 through March 16, 2022

SUBMITTED TO:

NYSDEC - Region 2
1 Hunter's Point Plaza
47-40 21st Street
Long Island City, New York 11101

PREPARED FOR:

3140 Coney Island Realty, LLC
3061 Brighton 6th Street
Brooklyn, NY 11235

PREPARED BY:

P.W. Grosser Consulting , Inc.
630 Johnson Avenue, Suite 7
Bohemia, New York 11716
Phone: (631) 589-6353
Fax: (631) 589-8705
Jennifer Lewis, PG, Senior Project Manager
Paul K. Boyce, PE, PG, President

PWGC Project Number: CIR2201

Email: JenniferL@pwgrosser.com
PaulB@pwgrosser.com

April 2022

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P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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CERTIFICATION

For each institutional or engineering control identified for the Site, I certify that the following statements are true:

- The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
- The institutional control and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by the Department;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with Site Management Plan for this control;
- Access to the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- Use of the Site is compliant with the environmental easement;
- The engineering control systems are performing as designed and are effective;
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program and generally accepted engineering practices; and
- The information presented in this report is accurate and complete.

I certify that information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Paul Boyce, PE, PG, of 630 Johnson Avenue, Bohemia, NY 11716, am certifying as the Owner's Designated Site Representative for the Site.

PAUL K. BOYCE
Name

074604
PE License Number

Signature

06.24.2022
Date

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM
630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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1.0 INTRODUCTION

P.W. Grosser Consulting Engineer & Hydrogeologist, PC (PWGC) has prepared the following annual Periodic Review Report on behalf of the property owner, 3140 Coney Island Realty, LLC, to document the implementation of the Site Management Plan (SMP) at 3140 Coney Island Avenue in Brooklyn, New York (the Site). The Site was remediated under the oversight of the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) #C224157.

This report was prepared in accordance with the SMP dated November 2015 and revised July 17, 2018 and NYSDEC DER-10 Section 6.3. The SMP was updated following approval by NYSDEC of recommendations within the 2017 Periodic Review Report which will be further discussed below. This report covers Site activities from March 29, 2021 to March 16, 2022.

1.1 Site Location and Description

The Site is a 0.1 acre property located at 3140 Coney Island Avenue in Brooklyn, New York (see **Figure 1**) on the west side of Coney Island Avenue, bound by residential apartment buildings to the north and south and a single family residential house and vacant lot to the west. The Site is located in the Brighton Beach section of Kings County and is identified as Block 8678 and Lot 64 on the New York City Tax Map. The Site is currently used as a six-story medical office building with limited on-site parking. Prior to the current use, the site was utilized as a drycleaner between approximately 1950 and 2007. A site plan is depicted on **Figure 2**.

For a detailed description of historic environmental Site activities, please refer to the Final Engineering Report dated December 2015.

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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2.0 REMEDIAL ACTION OBJECTIVES

Remedial Action Objectives (RAOs) for the site were outlined in the SMP, dated July 2018. The objectives for the remedial program were established through the remedy section process stated in 6 NYCRR Part 376. The goal for the remedial program was to restore the site to pre-disposal conditions to the extent feasible. At the minimum, the remedy's goal was to eliminate or mitigate significant threats to public health and the environment presented by contamination identified at the site through the proper application of scientific and engineering principals.

The RAOs for the site are:

Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of volatiles from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable.
- Remove the source of ground or surface water contamination.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for soil vapor intrusion into buildings at the site.

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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3.0 O&M PLAN COMPLIANCE

PWGC proposed modifications to the routine monitoring and sampling, including ceasing semi-annual groundwater sampling and converting the site's soil vapor extraction (SVE) system to a passive sub-slab depressurization system (SSDS). The NYSDEC responded in a letter dated August 10, 2020 which indicated the following: a minimum of two additional years of annual groundwater sampling and a minimum of three years of soil vapor intrusion (SVI) sampling is required prior to conversion of the SVE system. PWGC had further conversations via email with NYSDEC and the New York State Department of Health (NYSDOH) regarding the timing of SVI sampling events and requested that a consideration be made for conducting the first round of SVI sampling in January 2021 and the second round of sampling in March 2021 with the system remaining off between the two sampling events, restart the SVE system after the March 2021 sampling event, then conduct the third sampling event the following winter season. This approach was agreed to, although no warranties were made by NYSDEC or NYSDOH that further SVI sampling wouldn't be required and would be dependent upon the results of the three SVI sampling events.

In accordance with the July 2018 SMP, the August 10, 2020 NYSDEC letter and subsequent emails, and DER-10 Section 6.3, the annual evaluation of site conditions has been conducted during this reporting period. The current operation and maintenance (O&M) plan for the site consists of the following activities:

Monitoring Program	Frequency
Composite Cover System	Annual
Groundwater Monitoring and Sampling	Annual
Groundwater, Vapor, and ISCO Monitoring Well Repairs, Replacement, and Decommissioning	As-Needed
SVE System Effluent Sampling	Discontinued
SVI Sampling	March 2022
SVE System Operational Data	Monthly
Vacuum Monitoring Wells	Annual
SSDS Effluent Sampling	Not in operation at this time. Start-up: once the first day, once the first week. Routine: quarterly

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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The engineering controls (ECs) currently identified at the site include the composite cover system, the SVE system, the SSDS (which will be converted from the existing SVE system in the future), and the contingency in-situ chemical oxidant injection wells. During the March 16, 2022 site visit, PWGC personnel evaluated the above listed ECs which are discussed within their respective sections of this PRR. The site remedy continues to be protective of public health and the environment and is performing as designed in the Remedial Action Work Plan and Final Engineering Report. A copy of the annual site inspection report is included as **Appendix A**.

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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4.0 GROUNDWATER MONITORING AND SAMPLING

During the reporting period for this PRR, groundwater sampling activities were performed on March 16, 2022. Monitoring wells and manhole covers were inspected for integrity. During the March 16, 2022 sampling event, MW-11 continued to be inaccessible. Due to this continued inaccessibility and the fact that historic well sampling data for MW-11 has been near non-detect, MW-11 has been omitted from the sampling plan.

4.1 Groundwater Monitoring

Groundwater monitoring of the wells consisted of collecting and recording depth to water, depth to light non-aqueous phase liquid (LNAPL), LNAPL thickness, and total well depth measurements for eight groundwater monitoring wells, including the two shallowest wells in the multi-level well, at the Site. Water levels were collected using a Solinst Oil / Water Interface Probe or equivalent. **Figure 3** displays the location of the monitoring wells, groundwater elevation data, and analytical results exceeding standards for this reporting period. Groundwater monitoring data is contained in **Table 1**. LNAPL was not observed during this reporting period.

Excluding the monitoring well in the basement (MW-15), groundwater elevations generally did not differ greatly across the Site. Groundwater elevation data collected indicates a nearly flat groundwater flow gradient across the site.

4.1.1 Groundwater Sampling

During the March 2022 sampling event, groundwater samples were collected from eight of the ten monitoring wells, including the two shallowest intervals of the multi-level monitoring well. A sample could not be collected from monitoring wells MW-11 and MW-16. The monitoring well MW-11 could not be sampled due to an obstruction located in the well and MW-16 could not be sampled due to the low water level in the well, which has been a reoccurring issue at the site.

Groundwater analytical results were compared to the NYSDEC Class GA Groundwater Quality Standards (AWQS) as specified in the Technical Operation and Guidance Series (TOGS 1.1.1) guidance documents dated June 1998 and its addendum dated April 2000.

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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4.1.2 Sampling Protocol

Wells were purged using either a decontaminated submersible pump or a check valve fitted with disposal polyethylene tubing under low flow conditions. During purging, groundwater parameters (pH, temperature, conductivity, oxygen reduction potential [ORP], turbidity, and dissolved oxygen) were monitored every three minutes with a Horiba U52 water quality instrument or equivalent. When measurements stabilized in accordance with the United States Environmental Protection Agency (USEPA) standard operating procedure EQASOP-GW001, purging was completed and the water quality meter was disconnected. The groundwater sample was then collected directly from the tubing and placed in pre-cleaned laboratory-supplied glassware and packed in a cooler on ice and delivered to Alpha Analytical Laboratories (Alpha) of Westborough, Massachusetts, a New York State Department of Health Environmental Laboratory Approval Program certified laboratory, under chain-of-custody seal. Copies of the groundwater sampling data sheets containing the field parameters recorded and purge volumes for each sampling point during this reporting period are attached in **Appendix B**.

In addition to the routine samples, MS/MSD samples and blind duplicate samples were collected during each sampling event. Each sample was analyzed for the presence of VOCs by EPA method 8260. The blind duplicate in the March 2022 sampling event was from MW-14.

4.1.3 Analytical Results

Analytical results for the sampling event during this reporting period are summarized on **Table 2**. The compounds exceeding AWQS consisted of tetrachloroethene (PCE), cis-1,2-dichloroethene (DCE), and vinyl chloride (VC). There were no other exceedances of AWQS.

There were no exceedances of AWQS in the off-site well MW-10 or in on-site wells MW-12, MW-13, MW-15, MW-17, and MLWell1 (35-40') during this reporting period. During this sampling event, there were AWQS exceedances in MW-14 and MLWell1 (15-20'). The highest total chlorinated VOC (CVOC) concentrations have consistently been observed in MW-14 ranging between 2,349 µg/L in June 2017 and 165 µg/L in January 2021. MW-14 saw a slight increase in CVOC concentrations, mostly due to an increase in DCE which indicates that contaminants are still breaking down in the groundwater. CVOC concentrations in MW-14 were observed at 191 µg/L as compared to the lowest to date concentrations, which were observed in January 2021 at 165 µg/L. MW-14 is located in the southwest section of the Site, which has historically contained the highest concentrations of chlorinated solvents; a sample collected in 2012 from the now destroyed MW-2, which was installed in the vicinity of MW-14, was nearly 400,000 µg/L for TVOCs. Excluding MW-14, the highest CVOC concentration

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM
630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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observed in any of the other wells during this reporting period was 112.99 µg/L in MLWell1 (15-20') and no other well, since routine monitoring began in October 2015, has had a CVOC concentration greater than 500 µg/L. For reference, groundwater samples collected prior to the Remedial Action and post-Remedial Action have been included on **Table 3**. Historical groundwater sample locations are illustrated on **Figure 4.** Laboratory analytical reports during this PRR reporting period are included as **Appendix C**.

As shown on **Chart 1**, the CVOCs in each of the monitoring wells (starting with the October 2015 sampling event) clearly illustrates a downward trend of since remediation began. MW-14 had previously shown a slight increase in CVOC concentrations between 2017 and 2019; however, since 2019, concentrations have reached a historical low. CVOC concentrations have decreased significantly since the removal of the source material and the chemical applicants and now overall show asymptoticly low concentrations in each well.

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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5.0 SOIL VAPOR EXTRACTION SYSTEM MONITORING

The SVE system has been operating within normal parameters during this reporting period. The SVE system did not experience any unexpected shutdowns during this reported period and no non-routine maintenance occurred. Parameter readings collected during this reporting period were within range of their expected values. As part of a SVI study, to be discussed in Section 6.0, the SVE system was manually shut down on March 1, 2022 and was restarted on May 11, 2022.

PWGC performed routine SVE system performance monitoring which included a visual inspection of the SVE components. In addition, the property owner provided PWGC with readings of the SVE system hours, which show the system was running properly. The SSDS has not been evaluated as part of this PRR as the system is still operating as a SVE system and has not yet been converted to a SSDS.

5.1 Vacuum Monitoring Points

The vacuum monitoring readings were suspended during this reporting period due to their steady values over the last several years and the continued operation of the SVE system. In the event that the SVE system is converted to a SSDS or there are extensive repairs to the venting system, vacuum monitoring readings will be collected to ensure that modifications to the system have not had a detrimental effect on vacuum readings.

5.2 SVE System Inspection and Sampling

PWGC inspected the SVE system on an annual basis during this reporting period. PWGC inspected the components of the SVE system for optimal performance, including inspecting the moisture separator and the filter. When the SVE system was shut down on March 1, 2022, the SVE system had operated for a total of 51,805.9 hours.

Sampling of the SVE system has been suspended in lieu of conducting SVI assessments. As of the last sampling event for the SVE system on May 11, 2020, a total of 31.2614 pounds of TVOCs have been successfully removed from the subsurface since system start-up on November 10, 2015.

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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6.0 SOIL VAPOR INTRUSION ASSESSMENT

PWGC conducted a SVI assessment on March 16, 2022. The SVE system was manually shut down on March 1, 2022 to allow for subsurface conditions to stabilize prior to performing the SVI assessments.

In coordination with NYSDEC and NYSDOH, two locations were previously selected for evaluation, one in the basement and one on the first floor outside of the basement's footprint. These locations were re-sampled for a third time (prior sampling events were in January 2021 and March 2021). At each location, a sub-slab soil vapor sample and an indoor air sample were collected, as shown on **Figure 5**.

6.1 Sampling Protocol

Sampling was conducted in accordance with the NYSDOH "Guidance for Evaluating Soil Vapor Intrusion in New York State," (NYSDOH Guidance) October 2006. Temporary soil vapor probes were installed through the floor slab. Prior to sampling, the integrity of the sampling port seals was tested using tracer gas analysis. The environment surrounding the seal was enriched with the tracer gas, helium, as readings were collected through the sampling probe with a portable helium detector. Tracer gas readings collected from each soil vapor probe were acceptable indicating the seals were intact and the sampling probes were acceptable for sample collection.

After the initial tracer gas test was performed, one to three volumes of the sample tubing were purged prior to collecting samples. Flow rates for both purging and collecting did not exceed 0.2 liters per minute to minimize potential ambient air infiltration during sampling.

The indoor air samples were collected from a height representing the breathing zone (between three and five feet above the floor).

Vapor samples were collected into 6-liter Summa® vacuum canisters fitted with 8-hour flow controllers. The samplers were batch certified clean by the laboratory. Proper quality assurance (QA) / quality control (QC) protocol was followed during the collection of soil gas samples to ensure that cross-contamination in the field did not occur.

6.2 Analytical Results

Analytical results from the SVI sampling event are summarized in **Table 4**.

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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Based on historical trends (including the presence of certain compounds that have historically been present at higher concentrations in sub-slab vapor than in indoor air, including the trimethylbenzenes, ethylbenzene, heptane, n-hexane, xylene, and toluene), it is believed that samples SV002 and AA-2, located on the first floor, were accidentally mislabeled in the field so that SV002 was actually the indoor air sample and AA-2 was actually the sub-slab vapor sample. For transparency, the laboratory report was not updated to reflect this change, but PWGC did update the data tables to switch the sample type (indoor air or sub-slab) for SV002 and AA-2.

The AA-1/SS001 sample pair was collected in the basement and the AA-2/SS002 sample pair were collected on the first floor.

During the March 16, 2022 sampling event, PCE was detected in one indoor air sample, AA-1 at a concentration of 23.2 µg/m^3 and was non-detect in the other indoor air sample (SS002). It was also detected in both sub-slab samples (max concentration 80 µg/m^3). TCE was detected in the indoor air sample located in the basement at a concentration of 0.704 µg/m^3 and in the corresponding sub-slab sample at 3.63 µg/m^3, but was not detected in the indoor air and sub-slab sample located on the first floor. DCE was also only detected in the basement indoor air sample (1.22 µg/m^3) and its corresponding sub slab (2.79 µg/m^3), but not detected in the sample set from the first floor. VC was non-detect in each of the four samples. The AA-1/SS001 sample pairing contained the higher concentrations and was the sample located in the basement.

Based upon these results, it appears that the SVE system has been effective in significantly reducing the volume of subsurface vapor contaminants and reducing soil vapor intrusion into the building. The indoor concentrations are less than air guideline values and when each sample pair is compared to the NYSDOH matrices, the resulting matrix indicates that no further action is necessary for the majority of the analytes. Due to the sample mislabeling for the AA-2/SV002 sample pair, the wrong sample was analyzed under TO-15 SIM to decrease the detection limits for the indoor air sample; therefore, several of the compounds had non-detection limits greater than the highest value of the indoor air matrices resulting in a Identify Source and Resample or Mitigate action. In addition, in the basement sample pair, DCE and PCE placed in the Identify Source and Resample or Mitigate box.

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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7.0 DATA USABILITY SUMMARY

Analytical data packages obtained from Alpha for each sampling event were sent to Laboratory Data Consultants, Inc (LDC) of Carlsbad, CA to undergo a systematic data validation to provide assurance that the data was adequate for its intended use. All data was deemed acceptable by the data validator, incorporating data qualifiers as appropriate. Validation consisted of an evaluation of the following criteria:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (CG/MS) Tunes
- Initial and counting Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantization Limits and Data Assessment
- Sample Quantization and Compound Identification

A copy of LDC's data usability summary reports during this reporting period is included as **Appendix D**. **Table 2** was updated, as appropriate, based upon the data validator's review.

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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8.0 ADDITIONAL ECs AND ICs

8.1 Composite Cover System

The composite cover system, which consists of the concrete slab at grade and the concrete foundation for the basement, was intact with no observable cracks, holes, or patchwork in the concrete with the exception of the known patchwork at the repaired/replaced vapor monitoring points and MW-17 which was conducted in 2017. This patchwork is not affecting the integrity of the composite cover system. The concrete slab covers the entirety of the site.

8.2 In-Situ Chemical Oxidant Injections

As a pre-emptive measure, well sleeves for in-situ chemical oxidant injections were installed as part of the Remedial Action. Based upon current groundwater concentrations, chemical oxidant injections were not warranted during this PRR. The sleeves are still present and viable for installation of future chemical injections, if required.

8.3 Institutional Controls

The following institutional controls (ICs) have been adhered to during this reporting period:

- Compliance with the Environmental Easement and the SMP by the property owner;
- Engineering Controls were operated and maintained as specified in the SMP;
- Engineering Controls were inspected at a frequency and in a manner defined in the SMP;
- Groundwater and soil vapor monitoring was performed as defined in this SMP;
- Data and information pertinent to Site Management of the site was reported at the frequency and in a manner defined in the SMP, albeit with a delay in reporting during this reporting period;
- Site Restrictions
    - The property has been used for restricted residential or lower level uses (commercial use during this reporting period) while the long-term Engineering and Institutional Controls included in the SMP are employed.
    - The property has not been used for a higher level of use, such as unrestricted;
    - All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;
- Vegetable gardens and farming on the property are prohibited;
- The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the site are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such site at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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9.0 CONCLUSIONS

This Periodic Review Report documents activities performed from March 29, 2021 through March 16, 2022 in accordance with the Site Management Plan and NYSDEC DER-10 Section 6.3.

During this reporting period, one groundwater sampling event was conducted on March 16, 2022. Analytical results revealed concentrations in MW-14 and ML Well (15-20') that have exceeded AWQSs. The compounds exceeding AWQS consisted of PCE, DCE, and VC. Overall VOC concentrations have decreased significantly since the removal of the source material and chemical oxidant applications and compounds have continued to breakdown or have illustrated an asymptotic trend in the on- and off-site wells. During this reporting period, concentrations observed in MW-14 showed a slight increase from the lowest measured concentrations to date during January 2021, but that increase was mostly due to an increase in DCE which indicates that contaminants are still breaking down.

A soil vapor intrusion assessment was conducted alongside the groundwater monitoring event which took place on March 16, 2022. The SVE system was shut down on March 1, 2022 in preparation of the SVI assessment. At the time of SVE system shutdown/restart, the SVE system had operated for 51,805.9 hours. The SVI assessments included the collection of two sets of indoor air and two set of sub-slab vapor samples. The results from the March 2022 assessment did show the presence of low levels of chlorinated solvents in the indoor air and in the sub-slab soil vapor; the samples collected from the basement had slightly higher concentrations than the samples collected from the first floor location. Although low levels of chlorinated solvents were detected, concentrations were less than NYSDOH air guideline values for the indoor air samples and the sub-slab values are less than concentrations that would still require mitigation.

The remedial actions and monitoring undertaken at this Site have satisfied the Remedial Action Objectives as set forth in the Decision Document. The remedial action objectives for the site were put in place to ensure the protection of public health as well as the environments. Engineering and institutional controls put in place at the site successfully meet these objectives and data shows that conditions at the site have been restored to pre-disposal conditions to the extent feasible. Groundwater, ambient air, and soil vapor data show that contamination at the site has reduced significantly since the implementation of remedial efforts and have reached an asymptotic low.

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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Specifically, the site has met the Remedial Action Objectives of protecting public health and the environment by meeting the following requirements:

- Ingestion of groundwater is prevented by the presence of a site cover and the prohibition of using water in NYC for drinking purposes. Ingestion or contact with contaminated soil is also prevented through the use of a site cover.
- Contact or inhalation of volatiles from contaminated groundwater or soil as the contaminants within groundwater and soil have been significantly reduced.
- The groundwater aquifer has been restored to pre-release conditions to the extent practicable.
- The source of the groundwater contamination was previously removed which also prevents the migration of contaminants off-site.
- The conversion of the SVE to a SSDS will continue to mitigate soil vapor intrusion into the building.

At this time, based on past trends and current sampling data, PWGC offers the following recommendations for the site:

- Based upon analytical results from recent sampling events, groundwater sampling can be ceased.
- Based on the recent SVI assessments, the current SVE system should be downgraded to a passive SSDS.
- Continue conducting inspections of the site cover at a reduced frequency of every 5 years to ensure there is no cracking or breaking of the slab or any sign of intrusive activities being performed at the property.
- Prepare the next annual Periodic Review Report after the 5-year inspection.

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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10.0 REFERENCES

- NYSDEC, Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values; June 1998 and addendum April 2000.
- P.W. Grosser Consulting Engineer & Hydrogeologist, PC, Site Management Plan BCP #C224157, November 2015, updated July 17, 2018.
- P.W. Grosser Consulting Engineer & Hydrogeologist, PC, Final Engineering Report BCP #C224157, December 2015.

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
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FIGURES

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353
PWGROSSER.COM
630 JOHNSON AVENUE, STE 7
BOHEMIA, NY 11716
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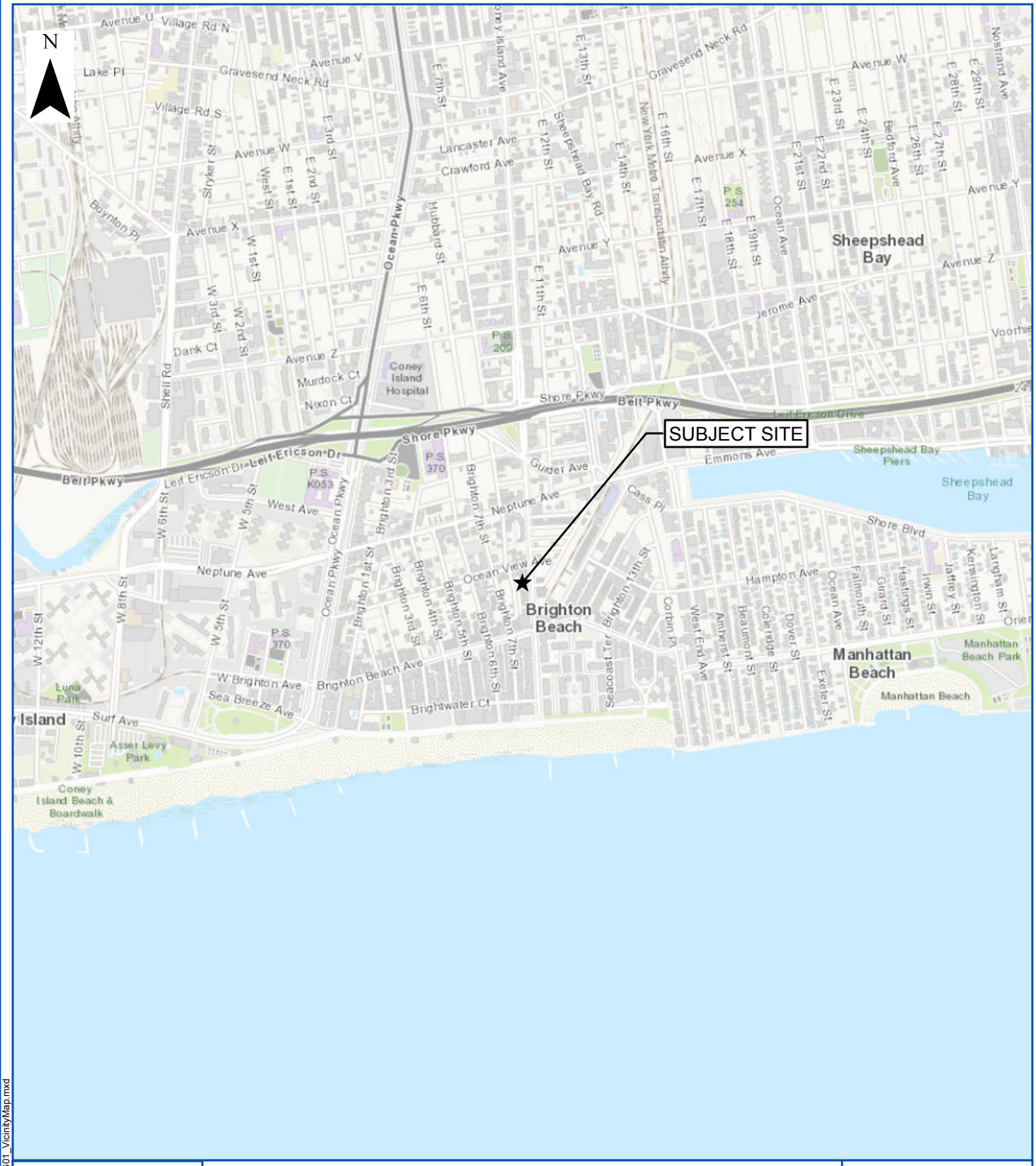

SITE LOCATION

3140 CONEY ISLAND AVE
BROOKLYN, NY

0 ¼ ½ ¾ 1 Miles

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

Project:	CIR1901
Date:	3/28/2019
Designed by:	JLL
Drawn by:	TS
Approved by:	JLL
Figure No:	1

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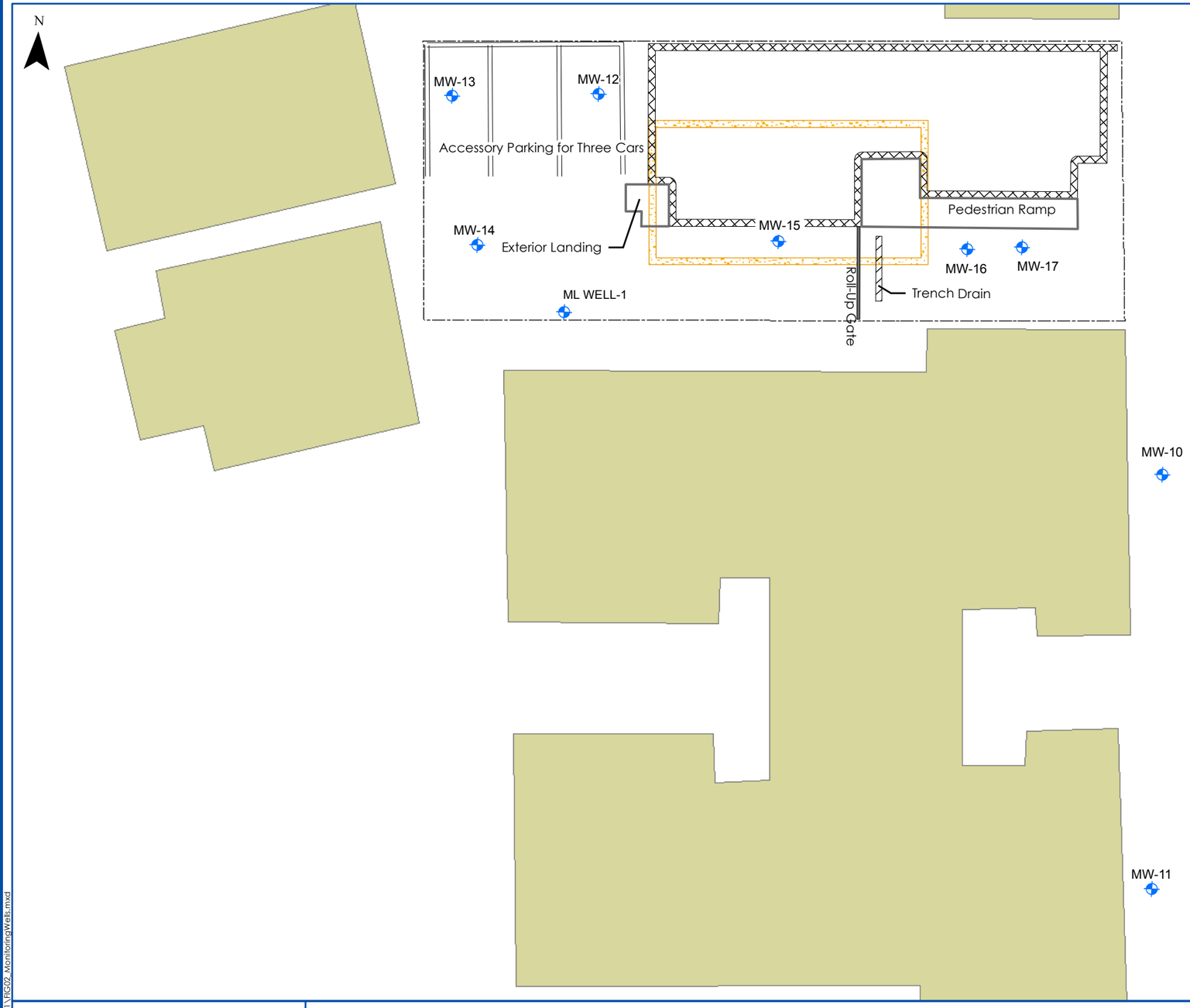

First Floor Exterior Wall
Cellar Footprint
Property Boundary
Adjacent Buildings

Existing Monitoring Wells

MONITORING WELL NETWORK
TOTAL CHLORINATED SOLVENT CONCENTRATIONS (2016 -2017)

3140 CONEY ISLAND AVENUE
BROOKLYN, NEW YORK

0 20 40 60 80 Feet

PWGC
CLIENT DRIVEN SOLUTIONS
P.W. Grosser Consulting Engineer & Hydrogeologist, PC
630 Johnson Ave., Suite 7
Bohemia, NY 11716
Ph: 631-589-6353 • Fax: 631-589-8705
pwgc.info@pwgrosser.com

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&
NEW YORK STATE
DEPT. OF ENVIRONMENTAL CONSERVATION
REGION 2
47-40 21ST STREET
LONG ISLAND CITY, NEW YORK 11101-5407

REVISION	DATE	INITIAL	COMMENTS

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FIGURE NO: 2

SHEET:

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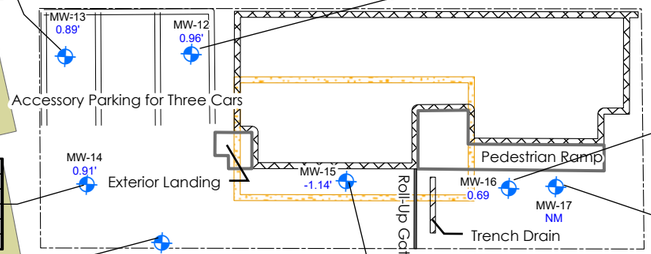
N

Location	MW-13								
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/10/2018	3/6/2019	9/16/2019	5/11/2020	1/14/2021	3/16/2022
DCE	2.7 J	8.2	9.1	13	2.9	6.6	3.1	8.5	2.6
PCE	1.4	0.87	17	11	3.5	6.8	3.4	0.1	3.7
TCE	ND	ND	ND	3.3	1.6	3.7	2.6	3.2	3
VC	0.64	2.2 J	25	2.4 J	0.97 J	0.91 J	0.87 J	1.7	0.79 J

Location	MW-14								
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/11/2018	3/6/2019	9/16/2019	5/11/2020	1/14/2021	3/16/2022
DCE	210	120	250	470	540	410	240	120	140
PCE	28	36	84	33 J	31	4.4	20	8.1	9.5
TCE	6	10	21	13	11	4.5	9.9	3.7	4.4
VC	200	67 J	99	140 J	110	410	100	33	37

Location	ML-Well1 (15-20')								
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/10/2018	3/6/2019	9/16/2019	5/11/2020	1/14/2021	3/16/2022
DCE	1.9 J	10	280	45	130	60	91	58	68
PCE	ND	ND	ND	0.62	3.5	0.76	0.48 J	0.21 J	0.5 U
TCE	ND	ND	ND	0.5	2.9	0.28	0.63	0.51	0.99
VC	7.9	30 J	100	50	39	31	42	34	44

Location	ML-Well1 (35-40')								
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/10/2018	3/6/2019	9/16/2019	5/11/2020	1/14/2021	3/16/2022
DCE	ND	ND	ND	2.1 J	2.6	ND	ND	1.1 J	1.4 J
PCE	ND	ND	ND	0.77	0.29 J	ND	ND	0.18 U	0.24 J
VC	ND	ND	ND	ND	0.81 J	ND	ND	0.13 J	1 U



Location	MW-15								
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/11/2018	3/6/2019	9/16/2019	5/11/2020	1/14/2021	3/16/2022
DCE	14	11	3.4	10	NC	NC	NC	3	3
PCE	ND	ND	ND	0.49 J	NC	NC	NC	1.3	1.5
TCE	ND	ND	ND	3.9	NC	NC	NC	2	1.8
VC	ND	2.7 J	1.1	2.7	NC	NC	NC	1	0.92 J

Location	MW-12								
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/10/2018	3/6/2019	9/16/2019	5/11/2020	1/14/2021	3/16/2022
DCE	1.7 J	1.6 J	7.3	1.4 J	0.78 J	3.5	0.85 J	1.4 J	1 J
PCE	3.6	2.2	19	4.9	1.8	10	2.2	4.9	2
TCE	ND	ND	ND	0.82	0.58	1.1	0.34 J	0.57	0.87
VC	ND	ND	ND	0.44 J	0.16 J	0.11 J	ND	0.07 U	0.67 J

Location	MW-16						
Sampling Date	9/20/2017	3/14/2018	3/6/2019	9/16/2019	5/11/2020	1/14/2021	3/16/2022
VC	ND	0.82 J	NC	NC	NC	NC	NC

Location	MW-17								
Sampling Date	9/20/2017	12/13/2017	3/14/2018	9/11/2018	3/6/2019	9/16/2019	5/11/2020	1/14/2021	3/16/2022
DCE	8	ND	1.1 J	1.1 J	NC	2.1 J	ND	4.5	2.5 U
PCE	12	11	1.3	1.6	NC	2.6	1.9	0.95	1.3
TCE	4	11	1.5	1.3	NC	1.8	0.72	0.47 J	0.81
VC	ND	ND	ND	ND	NC	ND	ND	1.4	0.16 J

Location	MW-10				
Sampling Date	3/6/2019	9/16/2019	5/11/2020	1/14/2021	3/16/2022
PCE	2.5	ND	2.7	0.46 J	0.5 U
TCE	0.64	ND	0.44 J	0.18 U	0.5 U

Location	MW-11				
Sampling Date	3/6/2019	9/16/2019	5/11/2020	1/14/2021	3/16/2022
TCE	0.28 J	ND	NC	NC	NC

CONEY ISLAND AVENUE

MW-10 1.00'

MW-11 NM

NOTES:
0.73' Groundwater elevation (in feet) based upon arbitrary datum.
Concentrations (in µg/L)
NC - Not collected
ND - Non detect
J - Estimated
DCE - cis-1,2-Dichloroethene
PCE - Tetrachloroethene
TCE - Trichloroethene
VC - Vinyl Chloride

Analytes displayed are in exceedece of their applicable NYSDEC Ambient Water Quality Class GA Standard.

Existing Monitoring Well

First Floor Exterior Wall
Cellar Footprint
Property Boundary
Adjacent Buildings

MONITORING WELL NETWORK - January 14, 2021

3140 CONEY ISLAND AVENUE
BROOKLYN, NEW YORK

0 30 60 90 120 Feet

PWGC
CLIENT DRIVEN SOLUTIONS
P.W. Grosser Consulting, Inc.
630 Johnson Ave., Suite 7
Bohemia, NY 11716
Ph: 631-589-6353 • Fax: 631-589-8705
pwgc.info@pwgrosser.com

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REGION 2
47-40 21ST STREET
LONG ISLAND CITY, NEW YORK 11101-5407

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FIGURE NO:

3

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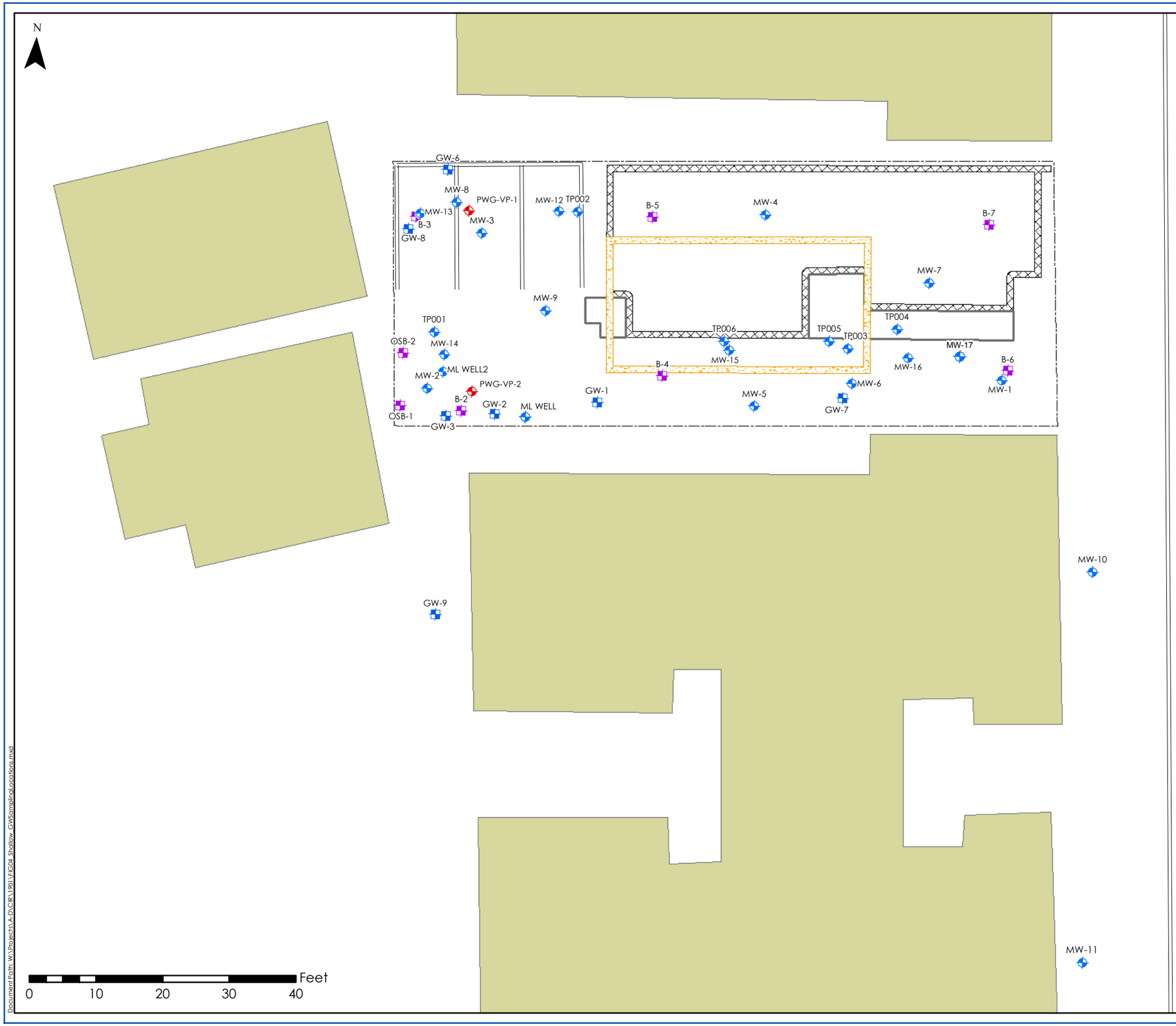

CONEY ISLAND AVENUE

Existing Monitoring Well
Vertical Profile
Groundwater
Soil and Groundwater
Curbline
CellarFootprint
First Floor Exterior Wall
Exterior landing
Pedestrian ramp
Adjacent Buildings
Property Boundary

PWGC
CLIENT DRIVEN SOLUTIONS
P.W. Grosser Consulting Engineer & Hydrogeologist, PC
630 Johnson Ave., Suite 7
Bohemia, NY 11716
Ph: 631-589-6353 • Fax: 631-589-8705
pwgc.info@pwgrosser.com

SHALLOW GROUNDWATER SAMPLE LOCATIONS

3140 CONEY ISLAND AVENUE
BROOKLYN, NEW YORK

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&
NEW YORK STATE
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REGION 2
47-40 21ST STREET
LONG ISLAND CITY, NEW YORK 11101-5407

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FIGURE NO:

4

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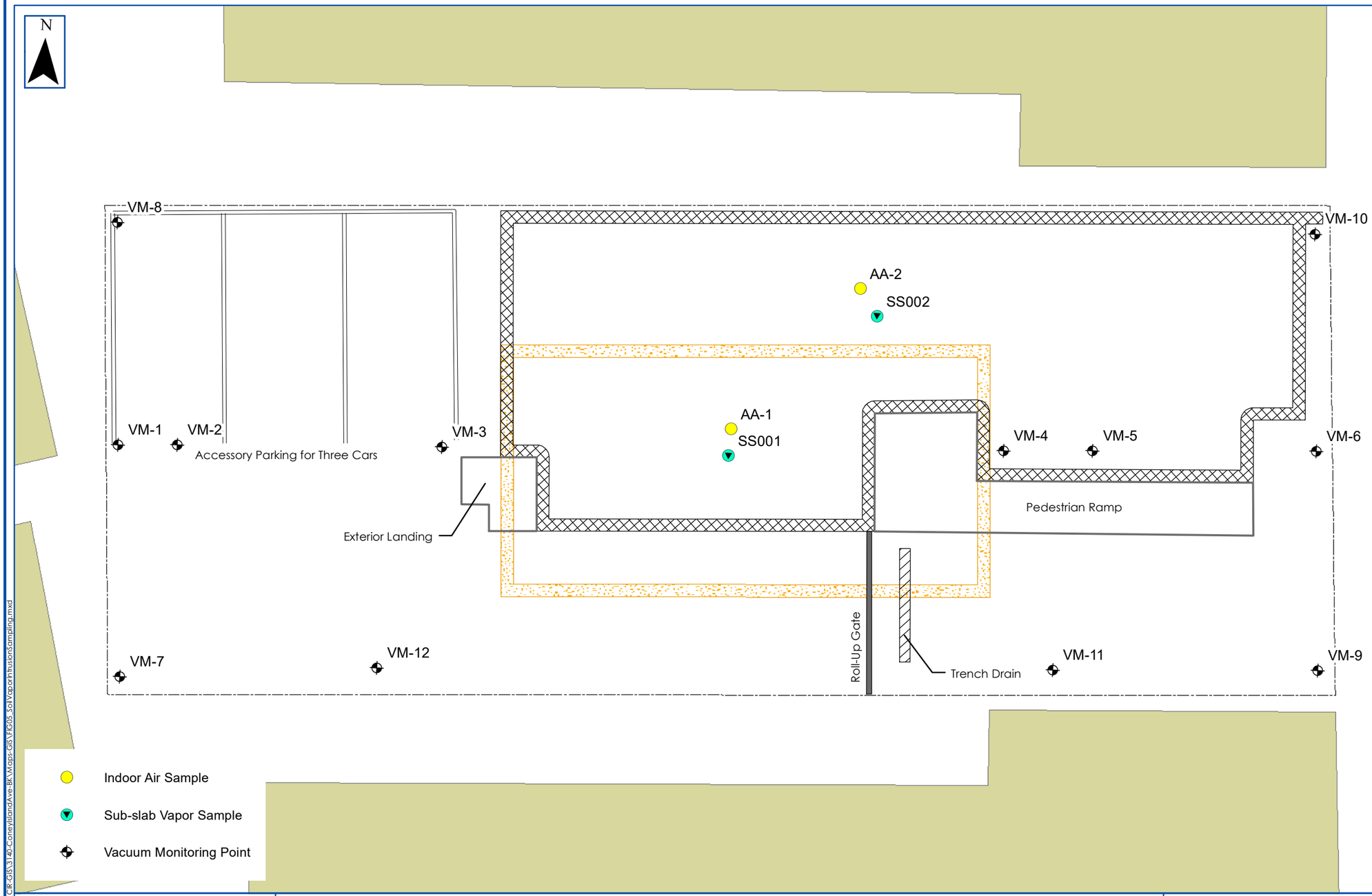

Soil Vapor Intrusion Sampling Points

3140 CONEY ISLAND AVENUE
BROOKLYN, NEW YORK

0 10 20 30 40 Feet

PWGC
CLIENT DRIVEN SOLUTIONS
P.W. Grosser Consulting Engineer & Hydrogeologist, PC
630 Johnson Ave., Suite 7
Bohemia, NY 11716
Ph: 631-589-6353 • Fax: 631-589-8705
pwgc.info@pwgrosser.com

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BROOKLYN, NEW YORK 11235
&
NEW YORK STATE
DEPT. OF ENVIRONMENTAL CONSERVATION
REGION 2
47-40 21ST STREET
LONG ISLAND CITY, NEW YORK 11101-5407

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Project:	CIR1201	Designed by:	JLL
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Scale:	AS SHOWN	Approved by:	JLL

FIGURE NO:

5

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TABLES

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353
PWGROSSER.COM
630 JOHNSON AVENUE, STE 7
BOHEMIA, NY 11716
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Table 1

Monitoring Well Field Data
3140 Coney Island Avenue, Brooklyn, New York

Well ID	Reference Elevation	Depth to Bottom	Depth to LNAPL	Depth to Water	LNAPL Thickness	Groundwater Elevation
June 1, 2017						
MW-10	9.60	14.61	NP	8.39	0.00	1.21
MW-11	9.73	15.29	NP	8.64	0.00	1.09
MW-12	9.65	13.11	NP	8.49	0.00	1.16
MW-13	9.89	13.51	NP	8.72	0.00	1.17
MW-14	9.85	12.62	NP	8.74	0.00	1.11
MW-15	2.49	4.63	NP	3.54	0.00	-1.05
MW-16	10.25	9.68	Sheen	9.11	0.00	1.14
ML WELL (15-20')	10.52	20.00	NP	8.93	0.00	1.59
ML WELL (35-40')	NM	40.00	NP	NM	0.00	NM
September 20, 2017						
MW-10	9.60	14.53	NP	8.41	0.00	1.19
MW-11	9.73	14.97	NP	8.56	0.00	1.17
MW-12	9.65	12.85	NP	8.44	0.00	1.21
MW-13	9.89	13.42	NP	8.68	0.00	1.21
MW-14	9.85	12.68	NP	8.70	0.00	1.15
MW-15	2.49	4.60	NP	3.32	0.00	-0.83
MW-16	10.25	9.70	8.99	9.01	0.02	1.24
MW-17	NM	12.20	NP	9.10	0.00	NM
ML WELL (15-20')	10.52	NM	NM	NM	NM	NM
ML WELL (35-40')	NM	NM	NM	NM	NM	NM
December 13, 2017						
MW-10	9.60	14.61	NP	9.22	0.00	0.38
MW-11	9.73	15.29	NP	9.22	0.00	0.51
MW-12	9.65	13.11	NP	9.16	0.00	0.49
MW-13	9.89	13.51	NP	9.30	0.00	0.59
MW-14	9.85	12.62	NP	9.22	0.00	0.63
MW-15	2.49	4.63	NP	4.63	0.00	-2.14
MW-16	10.25	NM	NM	NM	NM	NM
MW-17	NM	11.70	NP	9.89	0.00	NM
ML WELL (15-20')	10.52	19.41	NP	9.52	0.00	1.00
ML WELL (35-40')	NM	NM	NM	NM	NM	NM
March 14, 2018						
MW-10	9.60	14.61	NP	8.64	0.00	0.96
MW-11	9.73	15.29	NP	8.60	0.00	1.13
MW-12	9.65	13.11	NP	8.52	0.00	1.13
MW-13	9.89	13.51	NP	8.70	0.00	1.19
MW-14	9.85	12.62	NP	8.66	0.00	1.19
MW-15	2.49	4.63	NP	3.40	0.00	-0.91
MW-16	10.25	9.45	NM	9.00	0.00	1.25
MW-17	NM	11.70	NP	9.20	0.00	NM
ML WELL (15-20')	10.52	19.41	NP	8.73	0.00	1.79
ML WELL (35-40')	NM	NM	NM	NM	NM	NM
September 5, 2018						
MW-10	9.60	13.92	NP	8.88	0.00	0.72
MW-11	9.73	14.73	NP	9.00	0.00	0.73
MW-12	9.65	12.50	NP	8.94	0.00	0.71
MW-13	9.89	13.23	NP	9.10	0.00	0.79
MW-14	9.85	12.60	NP	9.12	0.00	0.73
MW-15	2.49	4.60	NP	3.95	0.00	-1.46
MW-16	10.25	NM	NM	NM	NM	NM
MW-17	NM	11.48	NP	9.59	0.00	NM
ML WELL (15-20')	10.52	19.41	NP	9.32	0.00	1.20
ML WELL (35-40')	NM	NM	NM	NM	NM	NM

Table 1

Monitoring Well Field Data
3140 Coney Island Avenue, Brooklyn, New York

March 6, 2019						
MW-10	9.60	13.29	NP	8.38	0.00	1.22
MW-11	9.73	14.73	NP	8.39	0.00	1.34
MW-12	9.65	12.50	NP	8.80	0.00	0.85
MW-13	9.89	13.23	NP	9.03	0.00	0.86
MW-14	9.85	12.60	NP	9.02	0.00	0.83
MW-15	2.49	4.60	NP	3.47	0.00	-0.98
MW-16	10.25	9.56	NP	9.56	NM	0.69
MW-17	NM	11.53	NP	9.55	0.00	NM
ML WELL (15-20')	10.52	19.41	NP	9.13	0.00	1.39
ML WELL (35-40')	NM	NM	NM	NM	NM	NM
September 19, 2019						
MW-10	9.60	13.29	NP	8.56	0.00	1.04
MW-11	9.73	14.73	NP	8.74	0.00	0.99
MW-12	9.65	12.50	NP	8.71	0.00	0.94
MW-13	9.89	13.23	NP	8.99	0.00	0.90
MW-14	9.85	12.60	NP	8.93	0.00	0.92
MW-15	2.49	4.60	NP	3.88	0.00	-1.39
MW-16	10.25	9.56	NP	9.56	NM	0.69
MW-17	NM	11.53	NP	9.40	0.00	NM
ML WELL (15-20')	10.52	19.41	NP	8.95	0.00	1.57
ML WELL (35-40')	NM	NM	NM	NM	NM	NM
May 11, 2020						
MW-10	9.60	13.29	NP	8.58	0.00	1.02
MW-11	9.73	14.73	NP	NM	0.00	NM
MW-12	9.65	12.50	NP	8.99	0.00	0.66
MW-13	9.89	13.23	NP	9.12	0.00	0.77
MW-14	9.85	12.60	NP	9.20	0.00	0.65
MW-15	2.49	4.60	NP	3.89	0.00	-1.40
MW-16	10.25	9.56	NP	9.56	NM	0.69
MW-17	NM	11.40	NP	9.75	0.00	NM
ML WELL (15-20')	10.52	19.41	NP	9.29	0.00	1.23
ML WELL (35-40')	NM	NM	NM	NM	NM	NM
January 14, 2021						
MW-10	9.60	13.29	NP	8.60	0.00	1.00
MW-11	9.73	NM	NP	NM	0.00	NM
MW-12	9.65	12.50	NP	8.69	0.00	0.96
MW-13	9.89	13.23	NP	9.00	0.00	0.89
MW-14	9.85	12.60	NP	8.94	0.00	0.91
MW-15	2.49	4.60	NP	3.63	0.00	-1.14
MW-16	10.25	9.56	NP	9.56	NM	0.69
MW-17	NM	11.40	NP	9.45	0.00	NM
ML WELL (15-20')	10.52	19.41	NP	9.07	0.00	1.45
ML WELL (35-40')	NM	NM	NM	9.83	NM	NM
March 16, 2022						
MW-10	9.60	13.70	NP	8.82	0.00	0.78
MW-11	9.73	NM	NP	NM	0.00	NM
MW-12	9.65	11.85	NP	9.11	0.00	0.54
MW-13	9.89	13.24	NP	9.38	0.00	0.51
MW-14	9.85	12.42	NP	9.35	0.00	0.50
MW-15	2.49	4.58	NP	4.07	0.00	-1.58
MW-16	10.25	NM	NP	NM	NM	NM
MW-17	NM	11.50	NP	9.73	0.00	NM
ML WELL (15-20')	10.52	18.45	NP	9.43	0.00	1.09
ML WELL (35-40')	NM	NM	NM	NM	NM	NM

Table 1

Monitoring Well Field Data
3140 Coney Island Avenue, Brooklyn, New York

Notes:
All measurements in feet
LNAPL - Light non-aqueous phase liquid
Reference elevation is based upon an arbitrary datum
NM - Not Measured
NP - No LNAPL
INC - Inconclusive
Each well is installed near the street surface except MW-15 which is installed in the basement.

Table 2

March 2022
Monitoring Well Analytical Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC [1]	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MLWell1 (15-20')	MLWell1 (35-40')	DUPE
Laboratory ID:	Ambient Water Quality	L2214084-01	NA	L2214084-02	L2214084-03	L2214084-04	L2214084-05	NA	L2214084-06	L2214084-07	L2214084-08	L2214084-10
Sampling Date:	Standards	3/16/2022	NA	3/16/2022	3/16/2022	3/16/2022	3/16/2022	NA	3/16/2022	3/16/2022	3/16/2022	3/16/2022
Volatile Organic Compounds in µg/L												
1,1,1,2-Tetrachloroethane	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	NA	1.5 U	1.5 U	1.5 U	1.5 U	NA	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	NA	0.5 U	0.5 U	0.2 J	0.5 U	NA	0.5 U	0.18 J	0.5 U	0.18 J
1,1-Dichloropropene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	NA	2 U	1 J	2 U	2 U	NA	3	2.5	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	0.0006	2 U	NA	2 U	2 U	2 U	2 U	NA	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dioxane	NS	250 U	NA	250 U	250 U	250 U	250 U	NA	250 U	250 U	250 U	250 U
2,2-Dichloropropane	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	5 U	NA	5 U	5 U	5 U	5 U	NA	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	NA	5 U	5 U	5 U	5 U	NA	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS	5 U	NA	5 U	5 U	5 U	5 U	NA	5 U	5 U	5 U	5 U
Acetone	50	5 U	NA	5 U	5 U	5 U	5 U	NA	5.6	5 U	5 U	5 U
Acrylonitrile	5	5 U	NA	5 U	5 U	5 U	5 U	NA	5 U	5 U	5 U	5 U
Benzene	1	0.5 U	NA	0.5 U	1.2	0.23 J	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.21 J
Bromobenzene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	NA	2 U	2 U	2 U	2 U	NA	2 U	2 U	2 U	2 U
Bromomethane	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide	60	5 U	NA	5 U	5 U	5 U	5 U	NA	1.8 J	5 U	5 U	5 U
Carbon tetrachloride	5	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	NS	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene (dce)	5	2.5 U	NA	1 J	2.6	140	3	NA	2.5 U	68	1.4 J	120
cis-1,3-Dichloropropene	0.4	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	NA	5 U	5 U	5 U	5 U	NA	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	NA	5 U	5 U	5 U	5 U	NA	5 U	5 U	5 U	5 U
Ethyl ether	NS	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert butyl ether	10	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
n-Butylbenzene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
n-Propylbenzene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	1.1 J	0.76 J	2.5 U	2.5 U
o-Chlorotoluene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
p-Chlorotoluene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	NS	2 U	NA	2 U	2 U	2 U	2 U	NA	2 U	2 U	2 U	2 U
4-Ethyltoluene	NS	2 U	NA	2 U	2 U	2 U	2 U	NA	2 U	2 U	2 U	2 U
p-Isopropyltoluene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
p/m-Xylene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
sec-Butylbenzene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
tert-Butylbenzene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene (pce)	5	0.5 U	NA	2	3.7	9.5	1.5	NA	1.3	0.5 U	0.24 J	9.2
Toluene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	1.8 J	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene (tce)	5	0.5 U	NA	0.87	3	4.4	1.8	NA	0.81	0.99	0.5 U	4.3
Trichlorofluoromethane	5	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	5 U	NA	5 U	5 U	5 U	5 U	NA	5 U	5 U	5 U	5 U
Vinyl chloride (vc)	2	0.3 J	NA	0.67 J	0.79 J	37	0.92 J	NA	0.16 J	44	1 U	35
Total VOCs:		0.3	NC	4.54	12.29	191	7.22	NC	13.77	118.23	1.64	168.89
Total Chlorinated VOCs: [2]		0.3	NC	4.54	10.09	191	7	NC	2.27	112.99	1.64	168.5

Notes:
(1) NYSDEC Ambient Water Quality Standards and Guidance Values 6/1998
NS - No Standard
NA - Not Available
DUPE is a blind duplicate of sample MW-14
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The assocaited numerical value is the sample quantitation limit.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument
Highlighted values indicate exceedance of the NYSDEC AWQS

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:		B-2	B-3	B-4	B-5	B-6	B-7	GW-1				GW-2				GW-3				GW-4				GW-5				GW-6			
Depth:	NYSDEC (1) Ambient Water Quality Standards	9-13'	9-13'	9-13'	9-13'	9-13'	9-13'	10-14'	21-25'	33-37'	48-52'	10-14'	21-25'	33-37'	48-52'	10-14'	21-25'	33-37'	48-52'	10-14'	21-25'	33-37'	48-52'	10-14'	21-25'	33-37'	48-52'	10-14'	21-25'	33-37'	48-52'
Sampling Date:		9/28/2007	9/28/2007	9/28/2007	9/28/2007	9/28/2007	9/28/2007	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010
Laboratory ID:		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds in µg/L																															
1,1,1,2-Tetrachloroethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,1,1-Trichloroethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,1,2-Trichloroethane	1	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,1-Dichloroethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,1-Dichloroethene	5	5 U	5 U	5 U	25 U	5 U	5 U	ND	ND	ND	ND	1.9	ND	ND	ND	1.6	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.3	ND	ND
1,1-Dichloropropene	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,2,3-Trichlorobenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,2,3-Trichloropropane	0.04	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,2,4,5-Tetramethylbenzene	NS	NC	NC	NC	NC	NC	NC	700	0.96 J	ND	ND	43	1.2	ND	2.8	7.3	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16	3.8	ND	0.97 J
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	14	63	36	25 U	5 U	5 U	ND	ND	ND	ND	65	0.54 J	ND	ND	2	ND	ND	0.61 J	ND	ND	ND	ND	ND	ND	ND	ND	10	0.66 J	ND	0.68 J
1,2-Dibromo-3-chloropropane	0.04	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,2-Dibromoethane	0.0006	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,2-Dichlorobenzene	3	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,2-Dichloroethane	0.6	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,2-Dichloropropane	NS	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,3,5-Trimethylbenzene	1	6	21	9	25 U	5 U	5 U	ND	ND	ND	ND	27	ND	ND	ND	0.99 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	ND	ND	ND
1,3-Dichlorobenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,3-Dichloropropane	3	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,4-Dichlorobenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,4-Dioxane	3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
2,2-Dichloropropane	NS	5 U	NC U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
2-Butanone	5	10 U	10 U	10 U	50 U	10 U	10 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
2-Hexanone	50	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acetone	50	50 U	50 U	50 U	250 U	50 U	50 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acrylonitrile	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Benzene	1	1.9	6.37	1.03	3.5 U	0.7 U	0.7 U	ND	ND	ND	ND	ND	ND	ND	ND	0.98 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Bromochloromethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Bromodichloromethane	50	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Bromoform	50	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Bromomethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Carbon disulfide	60	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Carbon tetrachloride	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chlorobenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloroethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloroform	7	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloromethane	NS	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
cis-1,2-Dichloroethene	5	12,800	670	114	568	33	17	ND	ND	ND	ND	470	1.3	0.68 J	ND	940	1,200	2.8	4.2	ND	ND	ND	1.6	ND	ND	ND	ND	5.1	260	2.4	ND
cis-1,3-Dichloropropene	0.4	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Dibromochloromethane	50	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Dibromomethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Dichlorodifluoromethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Ethyl ether	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Ethylbenzene	5	5	15	5 U	25 U	5 U	5 U	16 J	ND	ND	ND	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.74 J	ND	ND	ND
Hexachlorobutadiene	0.5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Isopropylbenzene	5	5 U	11	5 U	25 U	5 U	5 U	11 J	ND	ND	ND	5.7	ND	ND	ND	0.75 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND
Methyl tert butyl ether	10	5 U	5 U	5 U	25 U	5 U	5 U	ND	ND	ND	0.72 J	ND	ND	ND	ND	ND	ND	ND	ND	11	11	21	350	ND	ND	ND	ND	ND	ND	ND	2
Methylene chloride	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
n-Butylbenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	24	ND	ND	ND	5.8	ND	ND	ND	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.91 J	ND	ND	ND
n-Propylbenzene	5	5 U	16	5 U	25 U	5 U	5 U	25	ND	ND	ND	13	ND	ND	ND	0.66 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND
Naphthalene	10	6	36	21	25 U	5 U	5 U	21	ND	ND	ND	2.2 C	ND	ND	ND	0.67 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70	ND	ND	ND
o-Chlorotoluene	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
o-Xylene	5	5 U	7	5 U	25 U	5 U	5 U	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.68 J	ND	ND	ND
p-Chlorotoluene	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
p-Diethylbenzene	NS	NC	NC	NC	NC	NC	NC	80	ND	ND	ND	29	0.6 J	ND	ND	3.8	0.66 J	ND	0.68 J	ND	ND	ND	ND	ND	ND	ND	ND	8.8	1.5	ND	0.6 J
p-Ethyltoluene	NS	NC	NC	NC	NC	NC	NC	ND	ND	ND	ND	14	ND	ND	ND	0.69 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND
p-Isopropyltoluene	5	5 U	5 U	5 U	25 U	5 U	5 U	ND	ND	ND	ND	17	ND	ND	ND	0.67 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND
p/m-Xylene	5	10 U	29	10 U	50 U	10 U	10 U	ND	ND	ND	ND	4.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	5 U	6	5 U	25 U	5 U	5 U	23	ND	ND	ND	7.6	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	0.85 J	ND	ND
Styrene	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
tert-Butylbenzene	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Tetrachloroethene	5	22	105	8	25 U	31	14	20	1.3	1.2	1.7	20,000	86	53	18	72	220 C	8.3	35	1.9	1.4	1.4	2.7	ND	0.91 J	ND	ND	19	11	5.8	14
Toluene	5	5 U	8	5 U	25 U	5 U	5 U	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	25 U	5 U	5 U	16 J	ND	ND	ND	11	ND	ND	ND	5.2	8.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
trans-1,4-Dichloro-2-butene	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Trichloroethene	5	1,700	20	5 U	25 U	7	5 U	ND	ND	ND	ND	1,600	4.4	2.2	ND	120	330	0.77 J	1.4	ND	ND	ND	ND	ND	ND	ND	ND	1.7	2.1	ND	0.59 J
Trichlorofluoromethane	5	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Vinyl acetate	NS	5 U	5 U	5 U	25 U	5 U	5 U	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Vinyl chloride	2	2,080	382	46	63	18	5 U	ND	ND	0.65 J	ND	160	ND	ND	ND	290	280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7	350	8.5	ND
Total VOCs	NS	16,637	1,395	235	631	89	31	936	2	2	2	22,485	94	56	21	1,452	2,045	12	42	13	12	22	354	26	1	0	0	149	639	17	19
Total CVOCs	NS	16,602	1,177	168	631	89	31	40	1	2	2	22,230	92	56	18	1,422	2,030	12	41	2	1	1	4	0	1	0	0	30	623	17	15

Notes

(1) NYSDEC Ambient Water Quality Standards and Guidance Values 6/1998

CVOCs = PCE, TCE, DCE, and VC

NC - Not collected

ND - Not detected

NS - No Standard

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit. The associated numerical value is the sample quantitation limit.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument

Highlighted values indicate exceedance of the NYSDEC AWQS

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:		GW-7				GW-8				GW-9				GW-10				GW-11				OS8-1				OS8-2			
Depth:	NYSDEC (1) Ambient Water Quality Standards	10-14'	21-25'	33-37'	48-52'	10-14'	21-25'	33-37'	48-52'	10-14'	21-25'	33-37'	48-52'	10-14'	21-25'	33-37'	48-52'	10-14'	21-25'	33-37'	48-52'	10-12'	23-25'	35-37'	50-52'	10-12'	23-25'	35-37'	50-52'
Sampling Date:		1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010	1/15/2010	4/28/2011	4/28/2011	4/28/2011	4/28/2011	4/28/2011	4/28/2011	4/28/2011	4/28/2011
Laboratory ID:		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds in µg/L																													
1,1,1,2-Tetrachloroethane	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,1,1-Trichloroethane	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,1,2,2-Tetrachloroethane	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,1,2-Trichloroethane	1	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,1-Dichloroethane	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,2,3-Trichlorobenzene	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,2,3-Trichloropropane	0.04	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,2,4,5-Tetramethylbenzene	NS	ND	ND	ND	ND	29	1.1	ND	0.74 J	8.8	ND	ND	ND	3.4	ND	ND	ND	1.1	ND	ND	ND	4.6	0.25 J	0.4 J	1.1 J	ND	2.3 J	2.2 J	2.5
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	42	ND	ND	ND	9.1	ND	0.6 J	ND	1.6	ND	ND	ND	ND	ND	ND	ND	1.4 J	0.37 J	0.63 J	2 J	ND	1.6 J	ND	6.8
1,2-Dibromo-3-chloropropane	0.04	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,2-Dibromoethane	0.0006	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,2-Dichlorobenzene	3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,2-Dichloroethane	0.6	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,2-Dichloropropane	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,3,5-Trimethylbenzene	1	ND	ND	ND	ND	17	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.92 J	ND	0.89 J	ND	2.8
1,3-Dichlorobenzene	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,3-Dichloropropane	3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,4-Dichlorobenzene	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
1,4-Dioxane	3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
2,2-Dichloropropane	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
2-Butanone	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
2-Hexanone	50	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
4-Methyl-2-pentanone	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acetone	50	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acrylonitrile	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	0.61 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Bromochloromethane	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Bromodichloromethane	50	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Bromoform	50	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Bromomethane	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Carbon disulfide	60	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Carbon tetrachloride	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chlorobenzene	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloroethane	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloroform	7	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Chloromethane	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	160	1.9	2	2	3.8	ND	0.68 J	ND	2	ND	ND	ND	ND	ND	ND	ND	3.2	5.2	1	0.99	27,000	72	300	65
cis-1,3-Dichloropropene	0.4	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Dibromochloromethane	50	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Dibromomethane	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Dichlorodifluoromethane	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Ethyl ether	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Ethylbenzene	5	ND	ND	ND	ND	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38 J
Hexachlorobutadiene	0.5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Isopropylbenzene	5	ND	ND	ND	ND	1.8	ND	ND	ND	0.53 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.1	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.56 J	ND	ND	ND	ND	ND	ND	ND	0.62 J	1.1	ND	ND	ND	ND	0.57 J
Methylene chloride	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
n-Butylbenzene	5	ND	ND	ND	ND	2.7	ND	ND	ND	0.75 J	ND	ND	ND	0.94 J	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	0.58
n-Propylbenzene	5	ND	ND	ND	ND	4.4	ND	ND	ND	0.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND	0.61
Naphthalene	10	ND	ND	ND	0.83 J	9.3	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND	0.8 J	ND	ND	ND	0.8 J	ND	ND	ND	ND	ND	ND	0.96 J
o-Chlorotoluene	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
o-Xylene	5	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
p-Diethylbenzene	NS	ND	ND	ND	ND	23	ND	ND	ND	1.2	ND	ND	ND	0.56 J	ND	ND	ND	ND	ND	ND	ND	22	ND	0.15 J	0.44 J	ND	1 J	2 J	0.91 J
p-Ethyltoluene	NS	ND	ND	ND	ND	7.7	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.77 J
p-Isopropyltoluene	5	ND	ND	ND	ND	6.4	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p/m-Xylene	5	ND	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.53 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	2.8	ND	ND	ND	0.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2	ND	ND	ND	ND	ND	ND	ND
Styrene	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
tert-Butylbenzene	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Tetrachloroethene	5	0.84 JC	ND	0.84 JC	0.92 J	7.5	0.88 J	0.63 JC	1.3	2.9	0.64 J	1.3	0.97 J	ND	ND	ND	ND	ND	ND	1.3 C	ND	1	0.8	ND	ND	ND	6.5	7.7	14
Toluene	5	ND	ND	ND	ND	0.7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	4.3	ND	ND	ND	0.58 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
trans-1,4-Dichloro-2-butene	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Trichloroethene	5	ND	ND	ND	ND	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.66	1.4	2.4	ND	1.1	ND	ND
Trichlorofluoromethane	5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Vinyl acetate	NS	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Vinyl chloride	2	ND	ND	ND	ND	9.2	ND	ND	ND	2.3	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	15	5.5	ND	ND	8,300	24	10	ND
Total VOCs	NS	1	0	1	2	339	4	3	4	39	1	3	1	12	1	0	0	2	0	2	0	67	13	5	8	35,300	109	322	96
Total CVOCs	NS	1	0	1	1	181	3	3	3	9	1	2	1	5	0	0	0	0	0	1	0	19	12	2	3	35,300	104	318	79

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidance
CVOCs = PCE, TCE, DCE, and VC
NC - Not collected
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meets t
U - The analyte was analyzed for, but was not detected abo
E - Concentration of analyte exceeds the range of the calib
Highlighted values indicate exceedance of the NYSDEC AW

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:		PWG-VP-01										PWG-VP-02										TP-001	TP-002	TP-003	TP-004	TP-005	TP-006	MLWell2					
Depth:	NYSDEC (1) Ambient Water Quality Standards	10-12'	20-22'	30-32'	40-42'	50-52'	60-62'	70-72'	80-82'	90-92'	100-102'	10-12'	20-22'	30-32'	40-42'	50-52'	60-62'	70-72'	80-82'	90-92'	100-102'	-	-	-	-	-	-	15-20'	35-40'	55-60'	75-80'	95-100'	115-120'
Sampling Date:		7/10/2012	7/10/2012	7/10/2012	7/10/2012	7/10/2012	7/10/2012	7/10/2012	7/10/2012	7/10/2012	7/10/2012	7/6/2012	7/9/2012	7/9/2012	7/9/2012	7/9/2012	7/9/2012	7/9/2012	7/9/2012	7/9/2012	7/9/2012	10/7/2014	10/9/2014	10/9/2014	10/9/2014	5/11/2015	5/11/2015	9/30/2013	9/30/2013	9/30/2013	9/30/2013	9/30/2013	9/30/2013
Laboratory ID:		L1212340-14	L1212340-15	L1212340-16	L1212340-17	L1212340-18	L1212340-19	L1212340-20	L1212340-21	L1212340-22	L1212340-23	L1212340-01	L1212340-04	L1212340-06	L1212340-07	L1212340-08	L1212340-09	L1212340-10	L1212340-11	L1212340-12	L1212340-13	L1423615-04	L1423615-05	L1424055-01	L1424055-02	L1510117-01	L1510117-02	L1319520-12	L1319520-13	L1319520-14	L1319520-15	L1319520-16	L1319520-17
Volatile Organic Compounds in µg/L																																	
1,1,1,2-Tetrachloroethane	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	3 U	2.5 U
1,1,1-Trichloroethane	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	7 U	0.36 U	0.14 U	36 U	0.14 U	0.14 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	3 U	25 U	1.2 U	0.5 U	120 U	0.5 U	0.5 U	15 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	7 U	0.44 J	0.64	47 J	0.15 J	0.14 U	5 U	2.1	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	NS	4.5 J	0.12 J	0.32 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.5	2 U	0.15 J	2 U	2 U	0.12 J	0.19 J	0.33 J	0.17 J	1.15 J	32 U	1.6 U	2.4	160 U	0.65 U	12	20 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	10 U	2.5 U	2.5 U	2.5 U	0.11 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.8 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5
1,2-Dibromo-3-chloropropane	0.04	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	0.0006	8 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U	32 U	1.6 U	0.65 U	160 U	0.65 U	0.65 U	20 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	2 U	0.5 U	0.62	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	7 U	0.33 U	0.13 U	33 U	0.79	0.13 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	NS	4 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	7 U	0.33 U	0.13 U	33 U	0.13 U	0.13 U	10 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	1	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.73 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	3	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dioxane	3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
2,2-Dichloropropane	NS	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	5	20 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	97 U	4.8 U	1.9 U	480 U	1.9 U	1.9 U	50 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50	20 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	50 U	2.5 U	1 U	250 U	1 U	1 U	50 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	NS	20 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	50 U	2.5 U	1 U	250 U	1 U	1 U	50 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	20 U	1.3 J	1.92 J	2.03 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.59 J	5 U	5 U	5 U	5 U	5 U	1.55 J	1.89 J	10 U	73 U	3.6 U	2.6 J	360 U	4.6 J	2.8 J	50 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	5	20 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	75 U	3.8 U	1.5 U	380 U	1.5 U	1.5 U	50 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	1.8 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	8 U	0.4 U	0.71	40 U	0.38 J	0.16 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	10 U	0.48 U	0.19 U	48 U	0.19 U	0.19 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	8 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	4 U	32 U	1.6 U	0.65 U	160 U	0.65 U	0.65 U	20 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	10 U	2.5 J	2.5 J	2.5 J	2.5 J	2.5 J	2.5 J	2.5 J	2.5 J	2.5 J	2.5 J	2.5 J	2.5 J	2.5 J	2.5 J	2.5 J	2.5 J	2.5 J	2.5 J	5 J	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide	60	1.81 J	0.52 J	0.36 J	0.42 J	0.41 J	5 U	5 U	5 U	5 U	5 U	0.87 J	0.38 J	0.35 J	5 U	0.3 J	5 U	5 U	5 U	5 U	10 U	50 U	2.5 U	1 U	250 U	6.1	1 U	50 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	7 U	0.34 U	0.13 U	34 U	0.13 U	0.13 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	10 U	2.5 U	1.9 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	1.4 J	180 U	0.87 J	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	NS	10 U	2.5 J	2.5 J	2.5 J	2.5 J	2.5 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 J	2.5 U	2.5 J	2.5 J	2.5 J	2.5 J	2.5 J	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	1,100	0.7 J	6.6	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.11 J	0.19 J	74 J	2.5 U	2.6	2.5 U	0.34 J	0.42 J	0.45 J	0.99 J	7.7	3,900	140	140	16,000	71	37	820	73	2.5 U	2.1 J	15	6
cis-1,3-Dichloropropene	0.4	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	7 U	0.36 U	0.14 U	36 U	0.14 U	0.14 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	7 U	0.37 U	0.15 U	37 U	0.15 U	0.15 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	20 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	50 U	2.5 U	1 U	250 U	1 U	1 U	50 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	20 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	50 U	2.5 U	1 U	250 U	1 U	1 U	50 U	5 U	5 U	5 U	5 U	5 U
Ethyl ether	NS	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.17 J	0.1 J	2.5 U	2.5 U	2.5 U	0.34 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl tert butyl ether	10	10 U	2.5 U	2.5 U	0.81 J	0.47 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.8 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.92 J	35 U	1.8 U	0.7 U	180 U	1.2 J	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
n-Butylbenzene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
n-Propylbenzene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	10	10 U	0.35 J	2.5 U	2.5 U	2.5 U	1 J	0.31 J	0.19 J	2.5 U	2.5 U	2.5 U	2.5 U	0.47 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	29	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Chlorotoluene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	1.11 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.52 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.96 J	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Chlorotoluene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Diethylbenzene	NS	0.97 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.84 J	2 U	0.26 J	2 U	2 U	0.12 J	2 U	0.31 J	0.18 J	1.26 J	35 U	1.8 U	0.82 J	180 U	0.7 U	1.2 J	20 U	2 U	2 U	2 U	2 U	2 U
p-Ethyltoluene	NS	0.47 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.39 J	2 U	0.12 J	2 U	2 U	2 U	2 U	2 U	2 U	4 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	20 U	2 U	2 U	2 U	2 U	2 U
p-Isopropyltoluene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p/m-Xylene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	0.12 J	0.16 J	0.13 J	0.11 J	0.1 J	0.53 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
sec-Butylbenzene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.31	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	1.3 J	180 U	0.7 U	0.94 J	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
tert-Butylbenzene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	4.4	0.55	0.5 U	0.5 U	0.5 U	0.56	0.17 J	0.12 J	0.8	1.3	84	0.53	100	16 J	36 J	21	15	62 J	41	230	9 U	36	0.29 J	73 J	12	4.5	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	10 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.14 J	0.14 J	0.16 J	0.19 J	0.34 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	0.7 U	0.7 U	16 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	4.8 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	8.1 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	35 U	1.8 U	0.7 U	180 U	1.5 J	1.6 J	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	8 U	0.41 U	0.16 U	41 U	0.16 U	0.16 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC (1) Ambient Water Quality Standards	MW-1		MW-2		MW-3		MW-4			MW-5		MW-6		MW-7			MW-8	MW-9	MW-10																			
Depth:		-		-		-		-			-		-		-			-	-	-																			
Sampling Date:		7/19/2012		7/19/2012		7/19/2012		7/19/2012		9/30/2013	7/19/2012	9/30/2013	7/19/2012		7/19/2012		9/30/2013	9/30/2013	9/30/2013	10/7/2014	10/2/2015	3/29/2016	6/22/2016	9/16/2016	12/6/2016	3/1/2017	6/1/2017	9/20/2017	12/13/2017	3/14/2018	9/5/2018	3/6/2019	9/16/2019	5/11/2020	1/14/2021	3/16/2022
Laboratory ID:		L1212940-01		L1212940-02		L1212940-03		L1212940-04		L1319520-01	L1212940-05	L1319520-02	L1212940-06		L1212940-07		L1319520-03	L1319520-04	L1319520-05	L1423615-02	L1524907-01	L1609110-01	L1619370-01	L1629516-01	L1639729-02	L1706520-02	L1718024-09	L1733661-09	L1746240-01	L1808694-01	L1835036-01	L1908838-06	L1942467-01	L2019409-01	L2102213-01	L2214084-01
Volatile Organic Compounds in µg/L																																						
1,1,1,2-Tetrachloroethane	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
1,1,1-Trichloroethane	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	25	U	500	U	10	U	1.2	U	2 U	0.5	U	0.5	U	50	U	0.5	U	0.5 U	0.5	U	0.5	U	0.1	U	0.14	U	0.14	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ	0.5 U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	75	U	1,500	U	30	U	3.8	U	6 U	1.5	U	1.5	U	150	U	1.5	U	1.5 U	1.5	U	1.5	U	0.5	U	0.5	U	0.5	U	1.5	U	0.5	U	1.5	UJ	1.5	U	1.5	U	1.5 U	1.5	U	1.5	U
1,1-Dichloroethane	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	0.97	J	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
1,1-Dichloroethene	5	25	U	500	U	10	U	1.2	U	2 U	0.5	U	0.5	U	50	U	0.5	U	0.5 U	0.5	U	0.5	U	0.1	U	0.14	U	0.14	U	0.5	U	0.17	U	0.5	U	0.5	U	0.5	U	0.5 U	0.5	U	0.5	U
1,1-Dichloropropene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	UJ	2.5	U	2.5	U	2.5 U	2.5	UJ	2.5	U
1,2,3-Trichloropropane	0.04	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	NS	100	U	2,000	U	40	U	5	U	8 U	8.3		2	U	200	U	2	U	2 U	12		0.7	U	0.65	U	0.65	U	2	U	2	U	2	U	2	U	0.54	U	2	U	0.54 U	2	U	2	U
1,2,4-Trichlorobenzene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	120	U	1,400	J	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	UJ	2.5	UJ	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	100	U	2,000	U	40	U	5	U	8 U	2	U	2	U	200	U	2	U	2 U	2	U	0.7	U	0.65	U	0.65	U	2	U	2	U	2	U	2	U	0.65	U	2	U	0.65 U	2	U	2	U
1,2-Dichlorobenzene	3	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	25	U	500	U	10	U	1.2	U	2 U	0.5	U	0.5	U	50	U	0.5	U	0.5 U	0.5	U	0.5	U	0.1	U	0.13	U	0.13	U	0.5	U	0.5	U	0.5	U	0.5	U	0.13	U	0.5 U	0.5	U	0.5	U
1,2-Dichloropropane	NS	50	U	1,000	U	20	U	2.5	U	4 U	1	U	1	U	100	U	1	U	1 U	1	U	0.1	U	0.13	U	0.13	U	1	U	0.14	U	1	U	1	U	1	U	0.14	UJ	1 U	0.14	U	1	U
1,3,5-Trimethylbenzene	1	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	0.7	U	2.5 U	2.5	U	2.5	U
1,3-Dichlorobenzene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
1,3-Dichloropropane	3	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
1,4-Dichlorobenzene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
1,4-Dioxane	3	NC		NC		NC		NC		NC	NC		NC		NC		NC	NC	NC	NC		NC		41	U	250	U	61	U	250	UJ	250	UJ	250	UJ	250	UJ	61 U	250	UJ	61	UJ
2,2-Dichloropropane	NS	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
2-Butanone	5	250	U	5,000	U	100	U	12	U	20 U	5	U	5	U	500	U	5	U	5 U	5	U	1.9	U	1.9	U	1.9	U	5	U	5	U	5	UJ	1.9	UJ	5	U	1.9	U	5 U	1.9	U	5	U
2-Hexanone	50	250	U	5,000	U	100	U	12	U	20 U	5	U	5	U	500	U	5	U	5 U	5	U	1.0	U	1	U	1	U	5	U	5	UJ	5	U	5	U	5	U	1	U	5 U	1	U	5	U
4-Methyl-2-pentanone	NS	250	U	5,000	U	100	U	12	U	20 U	5	U	5	U	500	U	5	U	5 U	5	U	1.0	U	1	U	1	U	5	U	5	UJ	5	U	5	U	5	U	1	U	5 U	1	U	5	U
Acetone	50	250	U	5,000	U	100	U	12	U	20 U	5	U	3.3	J	2.1		500	U	5 U	5	U	1.5	U	1.5	U	1.5	U	5	U	1.5	U	5	UJ	1.5	UJ	3.2	J	5	UJ	5 U	1.8	J	7.5	
Acrylonitrile	5	250	U	5,000	U	100	U	12	U	20 U	5	U	5	U	5	U	500	U	5 U	5	U	1.5	U	1.5	U	1.5	U	5	U	1.5	U	5	U	5	U	1.5	UJ	5	U	5 U	1.5	U	5	U
Benzene	1	25	U	500	U	10	U	1.2	U	2 U	0.5	U	0.5	U	0.34		50	U	0.5 U	0.5	U	0.56		0.2	U	0.16	U	0.16	U	0.5	U	0.5	U	0.5	U	0.5	U	0.16	U	0.5 U	0.16	U	0.5	U
Bromobenzene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
Bromochloromethane	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
Bromodichloromethane	50	25	U	500	U	10	U	1.2	U	2 U	0.5	U	0.5	U	50	U	0.5	U	0.5 U	0.5	U	0.2	U	0.19	U	0.19	U	0.5	U	0.19	U	0.5	U	0.5	U	0.5	U	0.5	U	0.19 U	0.5	U	0.19	U
Bromoform	50	100	U	2,000	U	40	U	5	U	8 U	2	U	2	U	2	U	200	U	2 U	2	U	0.7	U	0.65	U	0.65	U	2	U	0.65	U	2	U	2	U	2	U	0.65	U	2 U	0.65	U	2	U
Bromomethane	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	UJ	2.5	UJ	2.5	UJ	2.5 U	0.7	UJ	2.5	U
Carbon disulfide	60	250	U	5,000	U	100	U	12	U	20 U	5	U	5	U	5	U	500	U	5 U	5	U	1.0	U	1	U	1	U	5	U	1	U	5	UJ	5	U	5	U	5	U	1 U	5	U	5	U
Carbon tetrachloride	5	25	U	500	U	10	U	1.2	U	2 U	0.5	U	0.5	U	50	U	0.5	U	0.5 U	0.5	U	0.1	U	0.13	U	0.13	U	0.5	U	0.13	U	0.5	U	0.5	U	0.5	U	0.5	U	0.13 U	0.5	UJ	0.13	U
Chlorobenzene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
Chloroethane	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	UJ	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
Chloroform	7	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
Chloromethane	NS	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	UJ	2.5	UJ	2.5	UJ	2.5	UJ	2.5 U	0.7	UJ	2.5	U
cis-1,2-Dichloroethene	5	2,700		25,000		870		74		210	23		20		3.9		5,200		67	1.8	J	100		0.7	U	1	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	0.7	U	2.5 U	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	25	U	500	U	10	U	1.2	U	2 U	0.5	U	0.5	U	50	U	0.5	U	0.5 U	0.5	U	0.5	U	0.1	U	0.14	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.14	U	0.5 U	0.5	U	0.14	U
Dibromochloromethane	50	25	U	500	U	10	U	1.2	U	2 U	0.5	U	0.5	U	50	U	0.5	U	0.5 U	0.5	U	0.2	U	0.15	U	0.15	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.15	U	0.5 U	0.5	U	0.15	U
Dibromomethane	5	250	U	5,000	U	100	U	12	U	20 U	5	U	5	U	5	U	500	U	5 U	5	U	1.0	U	1	U	1	U	5	U	1	U	5	U	5	U	5	U	1	U	5 U	1	U	5	U
Dichlorodifluoromethane	5	250	U	5,000	U	100	U	12	U	20 U	5	U	5	U	5	U	500	U	5 U	5	U	1.0	U	1	U	1	U	5	U	1	U	5	UJ	5	UJ	5	U	1	U	5 U	1	UJ	5	U
Ethyl ether	NS	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	250	U	2.5	U	2.5 U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	UJ	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
Ethylbenzene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	0.79		250	U	2.5 U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
Hexachlorobutadiene	0.5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	UJ	2.5	U
Isopropylbenzene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	0.8	J	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
Methyl tert butyl ether	10	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
Methylene chloride	5	120	U	2,500	U	50	U	2.3	J	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
n-Butylbenzene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	0.71	J	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
n-Propylbenzene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	7.3		0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
Naphthalene	10	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	UJ	2.5	U
o-Chlorotoluene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
o-Xylene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
p-Chlorotoluene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
p-Diethylbenzene	NS	100	U	2,000	U	40	U	5	U	8 U	1.3	J	2	U	2	U	200	U	2 U	2	U	1.5	J	0.7	U	0.7	U	0.7	U	2	U	0.7	U	2	U	2	U	2	U	2 U	2	U	2	U
p-Ethyltoluene	NS	100	U	2,000	U	40	U	5	U	8 U	2	U	2	U	2	U	200	U	2 U	2	U	2	U	0.7	U	0.7	U	0.7	U	2	U	0.7	U	2	U	2	U	2	U	2 U	2	U	2	U
p-Isopropyltoluene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
p/m-Xylene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
sec-Butylbenzene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	0.75	J	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	UJ	2.5	U
Styrene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
tert-Butylbenzene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
Tetrachloroethene	5	700		340,000	E	410		120		54	3.8		7		1.9		1,400		54	0.5	U	20		0.2	U	0.18	U	0.47	J	0.59		0.18	U	0.5	U	0.5	U	4.9		0.21	J	0.5 U	2.4		0.38	J	2.5		0.5	U	2.7		0.46	J	0.5	U
Toluene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
trans-1,2-Dichloroethene	5	120	U	2,500	U	50	U	6.2	U	10 U	2.5	U	2.5	U	2.5	U	250	U	2.5 U	2.5	U	2.5	U	0.7	U	0.7	U	2.5	U	0.7	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5 U	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.4	25	U	500	U	10	U	1.2	U	2 U	0.5	U	0.5	U	0.5	U	50	U	0.5 U	0.5	U	0.5	U	0.2	U	0.16	U	0.16	U	0.5	U	0.5	U	0.5	U	0.5	U	0.16	U	0.5 U	0.5	U	0.16	U
trans-1,4-Dichloro-2-butene	5	0.7	U	2,5	U	2,5	U	2,5	U	10 U	2,5	U	2,5	U	120	U	2,5	U	2,5 U	2,5	U	2,5	U	2,5	UJ	14	UJ	0,7	U	2,5	U	0,7	U	2,5	U	2,5	U	2,5	U	2,5 U	2,5	U	2,5	U
Trichloroethene	5	0.56		0.19	J	0.5	U	1.6		5	3.1		6.4		220		1.6		17	0.5	U	0.5	U	0.43	J	77	J	0.46	J	0.19	J	0.18	U	0.59		0.39	J	1		0.5 U	0.5	U	0.49	J	0.49	J	0.64		0.5	U	0.44	J	0.18	U	0.5	U
Trichlorofluoromethane	5	0.7	U	2,5	U	2,5	U	2,5	U	10 U	2,5	U	2,5	U	120	U	2,5	U	2,5 U	2,5	U	2,5	U	2,5	U	14	UJ	0,7	U	2,5	U	0,7	U	2,5	U	2,5	U	2,5	U	2,5 U	2,5	U	2,5	U
Vinyl acetate	NS	1	U	5	U	5	U	5	U	20 U	5	U	5	U	250	U	5	U	5 U	5	U	5	U	5	U	20	UJ	1	U	5	U	1	U	5	U	5	U	5	U	1 U	5	UJ	1	U
Vinyl chloride	2	50		0.3	J	1	U	14		31	140		5.2		240		7.7		16	14		58		32	J	360	J	0.6	J	0.3	J	0.17	J	0.48	J	0.78	J	1	U	0.26 J	0.19	J	0.16	J	0.15	J	0.07	U	0.11	J	1	U	0.19	J	0.3	J
Total VOCs	NS	3,451		366,400		1,280		212		300	180		44		472		6,609		155	16		202		32		437		1,53		1		1		2		1		6		2		0		3		4		3		0		5		8		0,3	
Total CVOCs	NS	3,451		365,000		1,280		210		300	170		39		466		6,609		154	16		178		32		437		2		1		0		1		1		6		0		0		3		1		3		0		3		1		0,3	

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidance
CVOCs = PCE, TCE, DCE, and VC
NC - Not collected
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meets t
U - The analyte was analyzed for, but was not detected abo
E - Concentration of analyte exceeds the range of the calibr
Highlighted values indicate exceedance of the NYSDEC AWS

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC [1]	MW-11																				MW-12																	
Depth:	Ambient Water	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sampling Date:	Quality Standards	10/9/2014	10/2/2015	3/29/2016	6/22/2016	9/16/2016	12/4/2016	3/1/2017	6/1/2017	9/20/2017	12/13/2017	3/14/2018	9/5/2018	3/6/2019	9/16/2019	5/11/2020	1/14/2021	3/16/2022	10/2/2015	3/29/2016	6/22/2016	9/16/2016	12/4/2016	3/1/2017	6/1/2017	9/20/2017	12/13/2017	3/14/2018	9/5/2018	3/6/2019	9/16/2019	5/11/2020	1/14/2021	3/16/2022
Laboratory ID:		L1423615-03	L1524907-02	L1609110-02	L1619370-02	L1629516-02	L1639729-09	L1706520-01	L1718024-08	L1733661-08	L1746240-02	L1808694-02	L1835036-02	L1908838-07	L1942467-02	NA	NA	NA	L1524907-03	L1609110-03	L1619370-03	L1629516-03	L1639729-03	L1706520-03	L1718024-04	L1733661-03	L1746240-03	L1808694-03	L1835036-03	L1908838-08	L1942467-03	L2019409-02	L2102213-02	L2214084-02
Volatile Organic Compounds in µg/L																																							
1,1,1,2-Tetrachloroethane	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
1,1,1-Trichloroethane	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.14 U	0.14 U	0.14 U	0.5 U	0.17 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.17 U	0.5 U	0.17 U	0.5 U	NC	NC	NC	0.14 U	0.14 U	0.5 U	0.17 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.17 U	0.5 U	0.17 U	0.5 U	0.17 U	0.5 U	0.5 U	0.17 U	0.5 U	0.17 U	0.5 U	0.5 U	0.17 U	0.5 U
1,1,2-Trichloroethane	1	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	0.5 U	1.5 U	NC	NC	NC	0.5 U	0.5 U	1.5 U	0.5 U	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	0.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U
1,1-Dichloroethane	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
1,1-Dichloroethene	5	0.14 U	0.14 U	0.14 U	0.5 U	0.17 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.17 U	0.5 U	0.17 U	0.5 U	NC	NC	NC	0.14 U	0.14 U	0.5 U	0.17 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.17 U	0.5 U	0.17 U	0.5 U	0.17 U	0.5 U	0.5 U	0.17 U	0.5 U	0.17 U	0.5 U	0.5 U	0.17 U	0.5 U
1,1-Dichloropropene	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
1,2,3-Trichlorobenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	0.7 UJ	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 UJ	0.7 U	2.5 U	0.7 U	2.5 UJ	2.5 U	2.5 UJ	2.5 U	2.5 U	0.7 UJ	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
1,2,3-Trichloropropane	0.04	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
1,2,4,5-Tetramethylbenzene	NS	0.65 U	0.65 U	0.65 U	2 U	0.54 U	2 U	2 UJ	2 U	2 U	2 U	0.54 U	2 U	0.54 U	2 U	NC	NC	NC	0.92 J	0.65 U	2 U	0.71 J	2 U	2 U	2 U	2 U	2 U	0.54 U	2 U	0.54 U	2 U	0.54 U	2 U	2 U	0.54 U	2 U	0.54 U	2 U	2 U	0.54 U	2 U
1,2,4-Trichlorobenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 UJ	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
1,2,4-Trimethylbenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
1,2-Dibromoethane	0.0006	0.65 U	0.65 U	0.65 U	2 U	0.65 U	2 U	2 U	2 U	2 U	2 U	0.65 U	2 U	0.65 U	2 U	NC	NC	NC	0.65 U	0.65 U	2 U	0.65 U	2 U	2 U	2 U	2 U	2 U	0.65 U	2 U	0.65 U	2 U	0.65 U	2 U	2 U	0.65 U	2 U	0.65 U	2 U	2 U	0.65 U	2 U
1,2-Dichlorobenzene	3	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
1,2-Dichloroethane	0.6	0.13 U	0.13 U	0.13 U	0.5 U	0.13 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.13 U	0.5 U	0.13 U	0.5 U	NC	NC	NC	0.13 U	0.13 U	0.5 U	0.13 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.13 U	0.5 U	0.13 U	0.5 U	0.13 U	0.5 U	0.5 U	0.13 U	0.5 U	0.13 U	0.5 U	0.5 U	0.13 U	0.5 U
1,2-Dichloropropane	NS	0.13 U	0.13 U	0.13 U	1 U	0.14 U	1 U	1 U	1 U	1 U	1 U	0.14 UJ	1 U	0.14 U	1 U	NC	NC	NC	0.13 U	0.13 U	1 U	0.14 U	1 U	1 U	1 U	1 U	1 U	0.14 UJ	1 U	0.14 U	1 U	0.14 U	1 U	1 U	0.14 U	1 U	0.14 U	1 U	1 U	0.14 U	1 U
1,3,5-Trimethylbenzene	1	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
1,3-Dichlorobenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
1,3-Dichloropropane	3	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
1,4-Dichlorobenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
1,4-Dioxane	3	NC	NC	41 U	250 U	61 U	250 UJ	250 UJ	250 U	250 U	250 UJ	61 UJ	250 UJ	61 UJ	250 U	NC	NC	NC	NC	41 U	250 U	61 U	250 UJ	250 UJ	250 U	250 U	250 UJ	61 UJ	250 UJ	61 UJ	250 U	61 UJ	250 U	250 UJ	61 UJ	250 U	61 UJ	250 U	250 UJ	61 UJ	250 U
2,2-Dichloropropane	NS	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
2-Butanone	5	1.9 U	1.9 U	1.9 U	5 U	1.9 U	5 U	5 U	5 U	5 U	5 UJ	1.9 UJ	5 U	1.9 U	5 U	NC	NC	NC	1.9 U	1.9 U	5 U	1.9 U	5 U	5 U	5 U	5 UJ	5 U	1.9 UJ	5 U	1.9 U	5 U	1.9 U	5 U	5 U	1.9 U	5 U	1.9 U	5 U	5 U	1.9 U	5 U
2-Hexanone	50	1 U	1 U	1 U	5 U	1 U	5 UJ	5 UJ	5 U	5 U	5 UJ	1 U	5 U	1 U	5 U	NC	NC	NC	1 U	1 U	5 U	1 U	5 UJ	5 UJ	5 U	5 U	5 UJ	1 U	5 U	1 U	5 U	1 U	5 U	5 U	1 U	5 U	1 U	5 U	5 U	1 U	5 U
4-Methyl-2-pentanone	NS	1 U	1 U	1 U	5 U	1 U	5 UJ	5 UJ	5 U	5 U	5 UJ	1 U	5 U	1 U	5 U	NC	NC	NC	1 U	1 U	5 U	1 U	5 UJ	5 UJ	5 U	5 U	5 UJ	1 U	5 U	1 U	5 U	1 U	5 U	5 U	1 U	5 U	1 U	5 U	5 U	1 U	5 U
Acetone	50	1.5 U	1.5 U	1.5 U	5 U	1.5 U	5 U	5 U	5 U	4.4 J	5 UJ	1.5 UJ	1.8 J	18 J	5 U	NC	NC	NC	1.5 U	1.5 U	5 U	1.5 U	5 U	5 U	5 U	3.9 J	5 U	1.5 UJ	3.4 J	5 U	1.5 UJ	5 U	5 U	1.5 U	5 U	1.5 U	5 U	5 U	1.5 U	5 U
Acrylonitrile	5	1.5 U	1.5 U	1.5 U	5 U	1.5 U	5 U	5 U	5 U	5 U	5 UJ	1.5 UJ	5 U	1.5 U	5 U	NC	NC	NC	1.5 U	1.5 U	5 U	1.5 U	5 U	5 U	5 U	5 U	5 U	1.5 UJ	5 U	1.5 U	5 U	1.5 U	5 U	5 U	1.5 U	5 U	1.5 U	5 U	5 U	1.5 U	5 U
Benzene	1	0.16 U	0.16 U	0.16 U	0.5 U	0.16 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U	0.5 U	0.16 U	0.5 U	NC	NC	NC	0.16 U	0.16 U	0.5 U	0.16 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U	0.5 U	0.16 U	0.5 U	0.16 U	0.5 U	0.5 U	0.16 U	0.5 U	0.16 U	0.5 U	0.5 U	0.16 U	0.5 U
Bromobenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
Bromochloromethane	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
Bromodichloromethane	50	0.19 U	0.19 U	0.19 U	0.5 U	0.19 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.19 U	0.5 U	0.19 U	0.5 U	NC	NC	NC	0.19 U	0.19 U	0.5 U	0.19 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.19 U	0.5 U	0.19 U	0.5 U	0.19 U	0.5 U	0.5 U	0.19 U	0.5 U	0.19 U	0.5 U	0.5 U	0.19 U	0.5 U
Bromoform	50	0.65 U	0.65 U	0.65 U	2 U	0.65 U	2 U	2 U	2 U	2 U	2 U	0.65 U	2 U	0.65 U	2 U	NC	NC	NC	0.65 U	0.65 U	2 U	0.65 U	2 U	2 U	2 U	2 U	2 U	0.65 U	2 U	0.65 U	2 U	0.65 U	2 U	2 U	0.65 U	2 U	0.65 U	2 U	2 U	0.65 U	2 U
Bromomethane	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	0.7 UJ	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 UJ	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	0.7 UJ	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
Carbon disulfide	60	1 U	1 U	1 U	5 U	1 U	5 UJ	5 U	5 U	5 U	5 UJ	1 U	5 U	1 U	5 U	NC	NC	NC	1 U	1 U	5 U	1 U	5 UJ	5 U	5 U	5 UJ	5 U	1 U	5 U	1 U	5 U	1 U	5 U	5 U	1 U	5 U	1 U	5 U	5 U	1 U	5 U
Carbon tetrachloride	5	0.13 U	0.13 U	0.13 U	0.5 U	0.13 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.13 UJ	0.5 U	0.13 U	0.5 U	NC	NC	NC	0.13 U	0.13 U	0.5 U	0.13 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.13 UJ	0.5 U	0.13 U	0.5 U	0.13 U	0.5 U	0.5 U	0.13 U	0.5 U	0.13 U	0.5 U	0.5 U	0.13 U	0.5 U
Chlorobenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
Chloroethane	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
Chloroform	7	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	1.2 J	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	1.7 J	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
Chloromethane	NS	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 UJ	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
cis-1,2-Dichloroethene	5	0.7 U	1 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	31	15	18	5.4	21	1.1 J	20	1.7 J	1.6 J	7.3	1.4 J	0.78 J	3.3	0.85 J	1.4 J	1 J
cis-1,3-Dichloropropene	0.4	0.14 U	0.14 U	0.14 U	0.5 U	0.14 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.5 U	0.14 U	0.5 U	NC	NC	NC	0.14 U	0.14 U	0.5 U	0.14 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.5 U	0.14 U	0.5 U	0.14 U	0.5 U	0.5 U	0.14 U	0.5 U	0.14 U	0.5 U	0.5 U	0.14 U	0.5 U
Dibromochloromethane	50	0.15 U	0.15 U	0.15 U	0.5 U	0.15 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.15 U	0.5 U	0.15 U	0.5 U	NC	NC	NC	0.15 U	0.15 U	0.5 U	0.15 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.15 U	0.5 U	0.15 U	0.5 U	0.15 U	0.5 U	0.5 U	0.15 U	0.5 U	0.15 U	0.5 U	0.5 U	0.15 U	0.5 U
Dibromomethane	5	1 U	1 U	1 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	1 U	5 U	NC	NC	NC	1 U	1 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	1 U	5 U	1 U	5 U	5 U	1 U	5 U	1 U	5 U	5 U	1 U	5 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	5 U	1 U	5 UJ	5 UJ	5 U	5 U	5 UJ	1 U	5 U	1 UJ	5 U	NC	NC	NC	1 U	1 U	5 U	1 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	1 U	5 U	1 UJ	5 U	1 U	5 U	5 U	1 U	5 U	1 U	5 U	5 U	1 U	5 U
Ethyl ether	NS	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
Ethylbenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
Hexachlorobutadiene	0.5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 UJ	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 UJ	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
Isopropylbenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
Methyl tert butyl ether	10	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
Methylene chloride	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
n-Butylbenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
n-Propylbenzene	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
o-Chlorotoluene	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U
o-Xylene	5	0.7 U	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC (1)	MW-13																		MW-14																	
Depth:	Ambient Water	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sampling Date:	Quality Standards	10/2/2015	3/29/2016	6/22/2016	9/16/2016	12/6/2016	3/1/2017	6/1/2017	9/20/2017	12/13/2017	3/14/2018	9/5/2018	3/6/2019	9/16/2019	5/11/2020	1/14/2021	3/16/2022	10/2/2015	3/29/2016	6/22/2016	9/16/2016	12/6/2016	3/1/2017	6/1/2017	9/20/2017	12/13/2017	3/14/2018	9/5/2018	3/6/2019	9/16/2019	5/11/2020	1/14/2021	3/16/2022
Laboratory ID:		L1524907-04	L1609110-04	L1619370-04	L1629516-04	L1639729-04	L1706520-04	L1718024-03	L1733661-02	L1746240-04	L1808694-04	L1835036-04	L1908838-09	L1942467-04	L2019409-03	L2102213-03	L2214084-03	L1524907-05	L1609110-05	L1619370-05	L1629516-05	L1639729-05	L1706520-05	L1718024-02	L1733661-01	L1746240-05	L1808694-05	L1835036-05	L1908838-10	L1942467-05	L2019409-04	L2102213-04	L2214084-04
Volatile Organic Compounds in µg/L																																					
1,1,1,2-Tetrachloroethane	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	1.8 U	0.7 U	12.0 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
1,1,1-Trichloroethane	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	1.8 U	0.7 U	12.0 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 UJ	3.5 U	12 U	5 U	0.7 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.36 U	0.14 U	0.5 U	0.33 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.17 U	0.5 U	0.17 U	0.5 U	0.5 U	0.17 U	0.5 U	3.6 U	0.17 J	25 U	3.3 UJ	5 UJ	5 U	10 U	1 U	0.5 U	0.42 U	2 U	0.84 U	2.5 U	1 U	0.17 U	0.5 U
1,1,2-Trichloroethane	1	1.2 U	0.5 U	1.5 U	1 U	1.5 UJ	1.4 J	1.5 U	1.5 U	1.5 U	0.5 U	1.5 U	0.5 U	1.5 U	1.5 U	0.5 U	1.5 U	12 U	0.5 U	75 U	10 UJ	15 UJ	15 U	30 U	3 U	1.5 U	1.2 U	6 U	2.5 U	7.5 U	3 U	0.5 U	1.5 U
1,1-Dichloroethane	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	1.8 U	0.7 U	12.0 U	1.4 UJ	25 U	25 U	50 UJ	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
1,1-Dichloroethene	5	0.36 U	0.14 U	0.5 U	0.34 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.17 U	0.5 U	0.17 U	0.5 U	0.5 U	0.17 U	0.5 U	3.6 U	1.6	25 U	4.9 J	5 U	5 U	7 J	2.1	0.23 J	0.67 J	1.1 J	1.3 J	2.4 J	1 U	0.17 U	0.2 J
1,1-Dichloropropene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	1.8 U	0.7 U	12.0 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
1,2,3-Trichlorobenzene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 UJ	2.5 U	2.5 UJ	2.5 U	2.5 U	0.7 UJ	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	1.8 U	0.7 U	12.0 U	1.4 UJ	25 UJ	25 U	50 UJ	5 U	2.5 U	1.8 U	10 UJ	3.5 U	12 U	5 U	0.7 U	2.5 U
1,2,3-Trichloropropane	0.04	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	1.8 U	0.7 U	12.0 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
1,2,4,5-Tetramethylbenzene	NS	1.6 U	1.3 J	1.7 J	18	4.4	2.2 J	2.9	2 U	1.9 J	1 J	1.1 J	0.83 J	0.66 J	0.9 J	7.5	1 J	16 U	0.65 U	100 U	13 J	20 U	20 U	40 U	4 U	2 U	1.4 U	8 U	2.7 U	10 U	4 U	0.54 U	2 U
1,2,4-Trichlorobenzene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	1.8 U	0.7 U	12.0 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
1,2,4-trimethylbenzene	5	1.8 U	3.9	1.3 J	2.4 J	2.5 U	2.5 U	1.6 J	2.5 U	2.5 U	1.4 J	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	1.8 U	0.7 U	12.0 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	1.8 U	0.7 U	2.5 U	1.4 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	1.8 U	0.7 U	12.0 U	1.4 UJ	25 UJ	25 UJ	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
1,2-Dibromoethane	0.0006	1.6 U	0.65 U	2 U	1.3 U	2 U	2 U	2 U	2 U	2 U	0.65 U	2 U	0.65 U	2 U	2 U	0.65 U	2 U	16 U	0.65 U	100 U	13 UJ	20 U	20 U	40 U	4 U	2 U	1.6 U	8 U	3.2 U	10 U	4 U	0.65 U	2 U
1,2-Dichlorobenzene	3	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	1.8 U	0.7 U	12.0 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
1,2-Dichloroethane	0.6	0.33 U	0.13 U	0.5 U	0.26 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.13 U	0.5 U	0.13 U	0.5 U	0.5 U	0.13 U	0.5 U	3.3 U	0.13 U	25 U	2.6 UJ	5 U	5 U	10 U	1 U	0.5 U	0.33 U	2 U	0.66 U	2.5 U	1 U	0.13 U	0.5 U
1,2-Dichloropropane	NS	0.33 U	0.13 U	1 U	0.27 U	1 U	1 U	1 U	1 U	1 U	0.14 UJ	1 U	0.14 U	1 U	1 U	0.14 U	1 U	3.3 U	0.13 U	50 U	2.7 UJ	10 U	10 U	20 U	2 U	1 U	0.34 U	4 U	0.68 U	5 U	2 U	0.14 U	1 U
1,3,5-Trimethylbenzene	1	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	1.8 U	0.7 U	12.0 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
1,3-Dichlorobenzene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	1.8 U	0.7 U	12.0 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
1,3-Dichloropropane	3	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	1.8 U	0.7 U	12.0 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
1,4-Dichlorobenzene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	1.8 U	0.7 U	12.0 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
1,4-Dioxane	3	NC	41 U	250 U	120 U	250 UJ	250 UJ	250 UJ	250 UJ	250 UJ	61 UJ	250 UJ	61 UJ	250 U	250 U	61 U	250 U	NC	41 U	12,000 U	1,200 UJ	2,500 UJ	2,500 UJ	5000 UJ	500 UJ	250 UJ	150 UJ	1,000 UJ	300 UJ	1200 U	500 U	61 U	250 U
2,2-Dichloropropane	NS	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	1.8 U	0.7 U	12.0 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
2-Butanone	5	4.8 U	1.9 U	5 U	3.9 U	5 U	5 UJ	5 U	5 U	5 UJ	1.9 UJ	5 U	1.9 U	5 U	5 U	1.9 U	5 U	48 U	1.9 U	250 U	39 UJ	50 U	50 UJ	100 U	10 UJ	5 UJ	4.8 U	20 U	9.7 U	25 U	10 U	1.9 U	5 U
2-Hexanone	50	2.5 U	1 U	5 U	2 U	5 UJ	5 UJ	5 U	5 U	5 UJ	1 U	5 U	1 U	5 U	5 U	1 U	5 U	25 U	1 U	250 U	20 UJ	50 UJ	50 UJ	100 U	10 U	5 UJ	2.5 U	20 U	5 U	25 U	10 U	1 U	5 U
4-Methyl-2-pentanone	NS	2.5 U	1 U	5 U	2 U	5 UJ	5 UJ	5 U	5 UJ	5 J	1 U	5 U	1 U	5 U	5 U	1 U	5 U	25 U	1 U	250 U	20 UJ	50 UJ	50 UJ	100 UJ	10 J	5 U	2.5 U	20 U	5 U	25 U	10 U	1 U	5 U
Acetone	50	6.6 J	1.9 J	5 U	2.9 U	5 U	5 UJ	5 U	5 U	5 U	3.5 J	3.2 J	5 UJ	5 U	5 U	1.5 U	5 U	64 J	1.5 U	250 U	29 UJ	50 UJ	50 U	100 U	10 UJ	5 UJ	3.6 U	20 U	25 UJ	25 U	10 U	1.5 U	5 U
Acrylonitrile	5	3.8 U	1.5 U	5 U	3 U	5 U	5 U	5 U	5 U	5 U	1.5 UJ	5 U	1.5 U	5 U	5 U	1.5 U	5 U	38 U	1.5 U	250 U	30 UJ	50 U	50 U	100 U	10 U	5 UJ	3.8 U	20 U	7.5 U	25 U	10 U	1.5 U	5 U
Benzene	1	0.4 U	0.51	0.78	0.7 J	0.76	0.96	0.59	1.3	0.63	0.92	0.48 J	0.49 J	0.27 J	0.6	1	1.2	4 U	0.16 U	25 U	3.2 UJ	5 U	5 U	10 U	1 U	0.5 U	0.4 U	2 U	0.8 U	2.5 U	1 U	0.16 U	0.23 J
Bromobenzene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
Bromochloromethane	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
Bromodichloromethane	50	0.48 U	0.19 U	0.5 U	0.38 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.19 U	0.5 U	0.19 U	0.5 U	0.5 U	0.19 U	0.5 U	4.8 U	0.19 U	25 U	3.8 UJ	5 U	5 U	10 U	1 U	0.5 U	0.48 U	2 U	0.96 U	2.5 U	1 U	0.19 U	0.5 U
Bromoform	50	1.6 U	0.65 U	2 U	1.3 U	2 U	2 U	2 U	2 U	2 U	0.65 U	2 U	0.65 U	2 U	2 U	0.65 U	2 U	16 U	0.65 U	100 U	13 UJ	20 U	20 U	40 U	4 U	2 U	1.6 U	8 U	3.2 U	10 U	4 U	0.65 U	2 U
Bromomethane	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	0.7 UJ	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 UJ	5 U	2.5 UJ	1.8 U	10 UJ	3.5 U	12 U	5 U	0.7 U	2.5 U
Carbon disulfide	60	2.5 U	1 U	5 U	2 U	5 U	5 UJ	5 U	1.9 J	5 U	1 U	5 U	1 U	5 U	5 U	1 U	5 U	25 U	1 U	250 U	20 UJ	50 U	50 UJ	100 U	10 UJ	5 U	2.5 U	20 U	5 U	25 U	10 U	1 U	5 U
Carbon tetrachloride	5	0.34 U	0.13 U	0.5 U	0.27 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.13 UJ	0.5 UJ	0.13 U	0.5 U	0.5 U	0.13 U	0.5 U	3.4 U	0.13 U	25 U	2.7 UJ	5 U	5 U	10 UJ	1 U	0.5 U	0.34 U	2 UJ	0.67 U	2.5 U	1 U	0.13 U	0.5 U
Chlorobenzene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
Chloroethane	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	1.4 J	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 U	25 U	25 UJ	50 UJ	2.4 J	2.5 U	1.8 UJ	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
Chloroform	7	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
Chloromethane	NS	1.8 U	0.7 U	2.5 U	1.4 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	0.7 UJ	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 UJ	25 UJ	50 U	5 U	2.5 UJ	1.8 U	10 UJ	3.5 U	12 U	5 U	0.7 U	2.5 U
cis-1,2-Dichloroethene	5	150	72	96	30	15	18	26	2.7	8.2	9.1	13	2.9	6.6	3.1	8.5	2.6	1,800	1,900 E	2,800	1,600 J	660	1,800	210	120	250 J	470	540	410	240	120	140
cis-1,3-Dichloropropene	0.4	0.36 U	0.14 U	0.5 U	0.29 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.14 U	0.5 U	0.14 U	0.5 U	0.5 U	0.14 U	0.5 U	3.6 U	0.14 U	25 U	2.9 UJ	5 U	5 U	10 U	1 U	0.5 U	0.36 U	2 U	0.72 U	2.5 U	1 U	0.14 U	0.5 U
Dibromochloromethane	50	0.37 U	0.15 U	0.5 U	0.3 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.15 U	0.5 U	0.15 U	0.5 U	0.5 U	0.15 U	0.5 U	3.7 U	0.15 U	25 U	2.9 UJ	5 U	5 U	10 U	1 U	0.5 U	0.37 U	2 U	0.74 U	2.5 U	1 U	0.15 U	0.5 U
Dibromomethane	5	2.5 U	1 U	5 U	2 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	1 U	5 U	5 U	1 U	5 U	25 U	1 U	250 U	20 UJ	50 UJ	50 U	100 U	10 U	5 U	2.5 U	20 U	5 U	25 U	10 U	1 U	5 U
Dichlorodifluoromethane	5	2.5 U	1 U	5 U	2 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	1 U	5 U	1 U	5 U	5 U	1 U	5 U	25 U	1 U	250 U	20 UJ	50 UJ	50 UJ	100 UJ	10 U	5 U	2.5 U	20 UJ	5 UJ	25 U	10 U	1 U	5 U
Ethyl ether	NS	1.8 U	0.7 U	2.5 U	1.4 U	2.5 UJ	2.5 U	2.5 UJ	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 UJ	25 U	50 UJ	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
Ethylbenzene	5	1.8 U	1.7 J	1.6 J	4.3 J	1.9 J	2 J	1.6 J	1.4 J	1.8 J	1.3 J	1.2 J	1.2 J	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
Hexachlorobutadiene	0.5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 UJ	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 UJ	10 UJ	3.5 U	12 U	5 U	0.7 U	2.5 U
Isopropylbenzene	5	1.8 U	1.8 J	1.2 J	5.5	1.5 J	1.2 J	1.3 J	2 J	1.3 J	0.87 J	0.85 J	0.74 J	2.5 U	0.9 J	1.4 J	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
Methyl tert butyl ether	10	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
Methylene chloride	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	7 J	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
n-Butylbenzene	5	1.8 U	0.7 U	2.5 U	3.7 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.8 J	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 UJ	3.5 U	12 U	5 U	0.7 U	2.5 U
n-Propylbenzene	5	1.8 U	0.76 J	2.5 U	2.7 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
Naphthalene	10	1.8 U	0.82 J	2.5 U	2.7 J	1.7 J	2.5 U	2.5 U	2.5 U	0.73 J	0.7 UJ	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 UJ	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
o-Chlorotoluene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
o-Xylene	5	1.8 U	3.7	4.4	5.6	2.2 J	1.4 J	1.8 J	2.5 U	2.5 U	2.9	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
p-Chlorotoluene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
p-Diethylbenzene	NS	1.8 U	2.8	2 U	4.6	1.2 J	2 U	2 U	5.9	2 U	0.7 U	2 U	0.7 U	2 U	2 U	0.88 J	2 U	18 U	0.7 U	100 U	1.4 UJ	20 U	20 U	40 U	4 U	2 U	1.8 U	8 UJ	3.5 U	10 U	4 U	0.7 U	2 U
p-Ethyltoluene	NS	1.8 U	1.1 J	2 U	3.8 J	2 U	2 U	2 U	2 U	2 U	0.7 U	2 U	0.7 U	2 U	2 U	0.7 U	2 U	18 U	0.7 U	100 U	1.4 UJ	20 U	20 U	40 U	4 U	2 U	1.8 U	8 UJ	3.5 U	10 U	4 U	0.7 U	2 U
p-Isopropyltoluene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
p/m-Xylene	5	1.8 U	1.2 J	1 J	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.74 J	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
sec-Butylbenzene	5	1.8 U	0.99 J	2.5 U	3.9 J	1.1 J	2.5 U	1.2 J	1.7 J	0.78 J	0.7 UJ	2.5 U	0.7 U	2.5 U	2.5 U	1.9 J	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 UJ	3.5 U	12 U	5 U	1.5 J	2.5 U
Styrene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 UJ	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
tert-Butylbenzene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 UJ	3.5 U	12 U	5 U	0.7 U	2.5 U
Tetrachloroethene	5	86	8.1	7.2	7.5	6	3.5	17	1.4	0.87	17	11	3.5	6.8	3.4	6.1	3.7	760	150	200	140 J	78	39	200	28	36	84	33 J	31	4.4	20	8.1	9.5
Toluene	5	1.8 U	0.7 U	2.5 U	1.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.7 U	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	0.7 U	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
trans-1,2-Dichloroethene	5	2.8 J	2.3 J	3.2	2.6 J	1.7 J	2 J	2 J	2.5 U	2.5 U	2.3 J	2.5 U	0.7 U	2.5 U	2.5 U	0.7 U	2.5 U	18 U	60	120 U	1.4 UJ	25 U	25 U	50 U	5 U	2.5 U	1.8 U	10 U	3.5 U	12 U	5 U	0.7 U	2.5 U
trans-1,3-Dichloropropene	0.4	0.41 U	0.16 U	0.5 U	0.33 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.16 U	0.5 U	0.16 U	0.5 U	0.5 U	0.16 U	0.5 U	4.1 U	0.16 U	25 U	3.3 UJ	5 UJ	5 U	10 U	1 U	0.5 U	0.41 U	2 U	0.82 U	2.5 U	1 U	0.16 U	0.5 U
trans-1,4-Dichloro-2-butene	5	0.7 U

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

Client Sample ID:	NYSDEC (1) Ambient Water Quality Standards	MW-15																				MW-16																	
Depth:		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sampling Date:		10/2/2015	3/29/2016	6/22/2016	9/16/2016	12/6/2016	3/1/2017	6/1/2017	9/20/2017	12/13/2017	3/14/2018	9/5/2018	3/6/2019	9/16/2019	5/11/2020	1/14/2021	3/16/2022	10/2/2015	3/29/2016	6/22/2016	9/16/2016	12/6/2016	3/1/2017	6/1/2017	9/20/2017	12/13/2017	3/14/2018	9/5/2018	3/6/2019	3/6/2019	5/11/2020	1/14/2021	3/16/2022
Laboratory ID:		L1524907-06	L1609110-06	L1619370-06	L1629516-06	L1639729-08	L1706520-08	L1718024-01	L1733661-06	L1746240-06	L1808694-06	L1835036-06	NC	NC	NC	L2102213-05	L2214082-05	L1524907-07	-	-	L1629516-12	-	-	L1718024-07	L1733661-07	-	L1808694-07	NC	NC	NC	NC	L2214082-05	NC
Volatile Organic Compounds in µg/L																																							
1,1,1,2-Tetrachloroethane	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
1,1,1-Trichloroethane	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
1,1,2,2-Tetrachloroethane	5	0.36 U	0.14 U	0.5 U	0.42 U	1 UJ	0.5 U	1 U	0.5 U	1 U	0.17 U	0.5 U	NC	NC	NC	0.17 U	0.5 U	2.9 U	NC	NC	1.7 U	NC	NC	0.5 U	2.5 U	NC	0.17 U	NC	NC	NC	NC	NC	NC
1,1,2-Trichloroethane	1	5.6	0.5 U	1.5 U	1.2 U	3 UJ	1.5 U	3 U	1.5 U	3 U	0.5 U	1.5 U	NC	NC	NC	0.5 U	1.5 U	10 U	NC	NC	5 U	NC	NC	1.5 U	7.5 U	NC	0.5 U	NC	NC	NC	NC	NC	NC
1,1-Dichloroethane	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 UJ	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
1,1-Dichloroethene	5	0.36 U	0.14 U	0.5 U	0.42 U	1 U	0.5 U	1 U	0.5 U	1 U	0.17 U	0.5 U	NC	NC	NC	0.17 U	0.5 U	2.8 U	NC	NC	1.7 U	NC	NC	0.5 U	2.5 U	NC	0.17 U	NC	NC	NC	NC	NC	NC
1,1-Dichloropropene	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
1,2,3-Trichlorobenzene	5	1.8 U	0.7 U	2.5 U	1.8 U	5 UJ	2.5 U	5 UJ	2.5 U	5 U	0.7 U	2.5 UJ	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
1,2,3-Trichloropropane	0.04	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
1,2,4,5-Tetramethylbenzene	NS	29	22	11	17	5.4	3 J	4 U	2 U	4 U	0.54 U	2 U	NC	NC	NC	0.54 U	2 U	17 J	NC	NC	13 J	NC	NC	11 J	10 U	NC	1.1 J	NC	NC	NC	NC	NC	NC
1,2,4-Trichlorobenzene	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
1,2,4-Trimethylbenzene	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
1,2-Dibromo-3-chloropropane	0.04	1.8 U	0.7 U	2.5 U	1.8 U	5 UJ	2.5 UJ	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
1,2-Dibromoethane	0.0006	1.6 U	0.65 U	2 U	1.6 U	4 U	2 U	4 U	2 U	4 U	0.65 U	2 U	NC	NC	NC	0.65 U	2 U	13 U	NC	NC	6.5 U	NC	NC	2 U	10 U	NC	0.65 U	NC	NC	NC	NC	NC	NC
1,2-Dichlorobenzene	3	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
1,2-Dichloroethane	0.6	0.33 U	0.13 U	0.5 U	0.33 U	1 U	0.5 U	1 U	0.5 U	1 U	0.13 U	0.5 U	NC	NC	NC	0.13 U	0.5 U	2.6 U	NC	NC	1.3 U	NC	NC	0.5 U	2.5 U	NC	4.2	NC	NC	NC	NC	NC	NC
1,2-Dichloropropane	NS	0.33 U	0.13 U	1 U	0.34 U	2 U	1 U	2 U	1 U	2 U	0.14 U	1 U	NC	NC	NC	0.14 U	1 U	2.7 U	NC	NC	1.4 U	NC	NC	1 U	5 U	NC	0.14 U	NC	NC	NC	NC	NC	NC
1,3,5-Trimethylbenzene	1	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
1,3-Dichlorobenzene	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
1,3-Dichloropropane	3	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
1,4-Dichlorobenzene	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
1,4-Dioxane	3	NC	41 U	250 U	150 U	500 UJ	250 UJ	500 UJ	250 U	500 UJ	61 UJ	250 UJ	NC	NC	NC	61 U	250 U	NC	NC	NC	610 U	NC	NC	250 UJ	1,200 UJ	NC	61 UJ	NC	NC	NC	NC	NC	NC
2,2-Dichloropropane	NS	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 UJ	5 U	0.7 U	2.5 UJ	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 UJ	NC	0.7 U	NC	NC	NC	NC	NC	NC
2-Butanone	5	4.8 U	1.9 U	5 U	4.8 U	10 U	5 UJ	10 U	5 UJ	10 U	1.9 U	5 U	NC	NC	NC	1.9 U	5 U	39 U	NC	NC	19 U	NC	NC	15	25 UJ	NC	6.4	NC	NC	NC	NC	NC	NC
2-Hexanone	50	2.5 U	1 U	5 U	2.5 U	10 UJ	5 UJ	10 U	5 U	10 U	1 U	5 U	NC	NC	NC	1 U	5 U	20 U	NC	NC	10 U	NC	NC	5 U	25 U	NC	3.5 J	NC	NC	NC	NC	NC	NC
4-Methyl-2-pentanone	NS	2.5 U	1 U	5 U	2.5 U	10 UJ	5 UJ	10 U	5 UJ	10 U	1 U	5 U	NC	NC	NC	1 U	5 U	20 U	NC	NC	10 U	NC	NC	5 U	25 UJ	NC	1 J	NC	NC	NC	NC	NC	NC
Acetone	50	13	1.5 U	5 U	5.8 J	4.8 J	3.3 J	10 U	2.9 J	10 U	1.5 U	2.2 J	NC	NC	NC	1.5 U	5 U	56 J	NC	NC	15 U	NC	NC	25	43	NC	8.4	NC	NC	NC	NC	NC	NC
Acrylonitrile	5	3.8 U	1.5 U	5 U	3.8 U	10 U	5 U	10 U	5 U	10 U	1.5 U	5 U	NC	NC	NC	1.5 U	5 U	30 U	NC	NC	15 U	NC	NC	5 U	25 U	NC	1.5 U	NC	NC	NC	NC	NC	NC
Benzene	1	0.4 U	0.16 U	0.5 U	0.4 U	1 U	0.5 U	1 U	0.5 U	1 U	0.16 U	0.5 U	NC	NC	NC	0.16 U	0.5 U	3.2 U	NC	NC	1.6 U	NC	NC	0.5 U	2.5 U	NC	0.18 J	NC	NC	NC	NC	NC	NC
Bromobenzene	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
Bromochloromethane	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
Bromodichloromethane	50	0.48 U	0.19 U	0.5 U	0.48 U	1 U	0.5 U	1 U	0.5 U	1 U	0.19 U	0.5 U	NC	NC	NC	0.19 U	0.5 U	3.8 U	NC	NC	1.9 U	NC	NC	0.5 U	2.5 U	NC	0.19 U	NC	NC	NC	NC	NC	NC
Bromoform	50	1.6 U	0.65 U	2 U	1.6 U	4 U	2 U	4 U	2 U	4 U	0.65 U	2 U	NC	NC	NC	0.65 U	2 U	13 U	NC	NC	6.5 U	NC	NC	2 U	10 U	NC	0.65 U	NC	NC	NC	NC	NC	NC
Bromomethane	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 UJ	2.5 UJ	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 UJ	NC	0.7 U	NC	NC	NC	NC	NC	NC
Carbon disulfide	60	2.5 U	1 U	5 U	2.5 U	5.2 J	5 UJ	10 U	2.8 J	10 U	1 U	5 U	NC	NC	NC	1 U	5 U	20 U	NC	NC	10 U	NC	NC	5 UJ	6 J	NC	20	NC	NC	NC	NC	NC	NC
Carbon tetrachloride	5	0.34 U	0.13 U	0.5 U	0.34 U	1 U	0.5 U	1 UJ	0.5 U	1 U	0.13 U	0.5 U	NC	NC	NC	0.13 U	0.5 U	2.7 U	NC	NC	1.3 U	NC	NC	0.5 U	2.5 U	NC	0.13 U	NC	NC	NC	NC	NC	NC
Chlorobenzene	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
Chloroethane	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 UJ	5 U	2.5 U	5 U	0.7 UJ	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 UJ	NC	NC	NC	NC	NC	NC
Chloroform	7	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
Chloromethane	NS	1.8 U	0.7 U	2.5 U	1.8 U	5 UJ	2.5 UJ	5 UJ	2.5 UJ	5 UJ	0.7 U	2.5 UJ	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 UJ	NC	0.7 U	NC	NC	NC	NC	NC	NC
cis-1,2-Dichloroethene	5	56	6.6	6.1	14	12	6.1	14	11	3.4	10	NC	NC	NC	3	3	NC	740	NC	NC	7 U	NC	NC	2 J	12 U	NC	1.5 J	NC	NC	NC	NC	NC	NC
cis-1,3-Dichloropropene	0.4	0.36 U	0.14 U	0.5 U	0.36 U	1 U	0.5 U	1 U	0.5 U	1 U	0.14 U	0.5 U	NC	NC	NC	0.14 U	0.5 U	2.9 U	NC	NC	1.4 U	NC	NC	0.5 U	2.5 U	NC	0.14 U	NC	NC	NC	NC	NC	NC
Dibromochloromethane	50	0.37 U	0.15 U	0.5 U	0.37 U	1 U	0.5 U	1 U	0.5 U	1 U	0.15 U	0.5 U	NC	NC	NC	0.15 U	0.5 U	3 U	NC	NC	1.5 U	NC	NC	0.5 U	2.5 U	NC	0.15 U	NC	NC	NC	NC	NC	NC
Dibromomethane	5	2.5 U	1 U	5 U	2.5 U	10 U	5 U	10 U	5 U	10 U	1 U	5 U	NC	NC	NC	1 U	5 U	20 U	NC	NC	10 U	NC	NC	5 U	25 U	NC	1 U	NC	NC	NC	NC	NC	NC
Dichlorodifluoromethane	5	2.5 U	1 U	5 U	2.5 U	10 UJ	5 UJ	10 UJ	5 UJ	10 UJ	1 U	5 UJ	NC	NC	NC	1 U	5 UJ	20 U	NC	NC	10 U	NC	NC	5 U	25 UJ	NC	1 U	NC	NC	NC	NC	NC	NC
Ethyl ether	NS	1.8 U	0.7 U	2.5 U	1.8 U	5 UJ	2.5 U	5 UJ	2.5 UJ	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 UJ	NC	0.7 U	NC	NC	NC	NC	NC	NC
Ethylbenzene	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	1.2 J	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
Hexachlorobutadiene	0.5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 UJ	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 UJ	NC	NC	NC	NC	NC	NC
Isopropylbenzene	5	1.8 U	0.81 J	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	0.78 J	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
Methyl tert butyl ether	10	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
Methylene chloride	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
n-Butylbenzene	5	1.8 U	0.87 J	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 UJ	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 J	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
n-Propylbenzene	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 UJ	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	1.2 J	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
Naphthalene	10	1.8 U	0.7 U	2.5 U	1.8 U	5.7 J	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 UJ	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.71 J	NC	NC	NC	NC	NC	NC
o-Chlorotoluene	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
o-Xylene	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	1.8 J	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
p-Chlorotoluene	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
p-Diethylbenzene	NS	2.3 J	0.7 U	2 U	1.8 U	4 U	2 U	4 U	2 U	4 U	0.7 U	2 U	NC	NC	NC	0.7 U	2 U	14 U	NC	NC	7 U	NC	NC	2 U	14	NC	0.7 U	NC	NC	NC	NC	NC	NC
p-Ethyltoluene	NS	1.8 U	0.7 U	2 U	1.8 U	4 U	2 U	4 U	2 U	4 U	0.7 U	2 U	NC	NC	NC	0.7 U	2 U	14 U	NC	NC	7 U	NC	NC	2 U	10 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
p-Isopropyltoluene	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
p/m-Xylene	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
sec-Butylbenzene	5	1.8 U	1.3 J	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.4 J	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
Styrene	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 UJ	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 UJ	NC	NC	NC	NC	NC	NC
tert-Butylbenzene	5	1.8 U	0.95 J	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
Tetrachloroethene	5	7.4	0.78	1.2	1.6	0.76 J	0.96 J	2.4	1.7	1.2	3.4	0.49 J	NC	NC	NC	1.3	1.5	3.7 J	NC	NC	1.8 U	NC	NC	0.5 U	2.5 U	NC	0.27 J	NC	NC	NC	NC	NC	NC
Toluene	5	1.8 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
trans-1,2-Dichloroethene	5	2.8 J	2.4 J	1.7 J	2.1 J	1.5 J	2.2 J	5 U	1.4 J	5 U	0.7 U	0.72 J	NC	NC	NC	0.7 U	2.5 U	14 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
trans-1,3-Dichloropropene	0.4	0.41 U	0.16 U	0.5 U	0.41 U	1 UJ	0.5 U	1 U	0.5 U	1 U	0.16 U	0.5 U	NC	NC	NC	0.16 U	0.5 U	3.3 U	NC	NC	1.6 U	NC	NC	0.5 U	2.5 U	NC	0.16 U	NC	NC	NC	NC	NC	NC
trans-1,4-Dichloro-2-butene	5	0.7 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	0.7 U	NC	NC	7 U	NC	NC	2.5 U	12 UJ	NC	0.7 U	NC	NC	NC	NC	NC	NC
Trichloroethene	5	0.42 J	0.67	1.6	2.8	2	3.5 J	2.5	2.2	1.4	0.92	3.9	NC	NC	NC	2	1.8	0.18 U	NC	NC	1.8 U	NC	NC	1.4	1.3 J	NC	0.22 J	NC	NC	NC	NC	NC	NC
Trichlorofluoromethane	5	0.7 U	0.7 U	2.5 U	1.8 U	5 U	2.5 U	5 U	2.5 U	5 U	0.7 U	2.5 U	NC	NC	NC	0.7 U	2.5 U	0.7 U	NC	NC	7 U	NC	NC	2.5 U	12 U	NC	0.7 U	NC	NC	NC	NC	NC	NC
Vinyl acetate	NS	1 U	1 U	5 U	2.5 U	10 U	5 U	10 U	5 U	10 U	1 U	5 U	NC	NC	NC	1 U	5 U	1 U	NC	NC	10 U	NC	NC	5 U	25 U	NC	1 U	NC	NC	NC	NC	NC	NC
Vinyl chloride	2	180	14	7.7	6.5	6.5	7.5 J	2 U	1 U	2.7 J	1.1 J	2.7	NC	NC	NC	1	0.92 J	0.07 U	NC	NC	7.7 J	NC	NC	2.5	5 U	NC	0.82 J	NC	NC	NC	NC	NC	NC
Total VOCs	NS	297	50	29	50	44	38	11	25	16	9	20	NC	NC	NC	7	7	817	NC	NC	21	NC	NC	67	64	NC	182	NC	NC	NC	NC	NC	NC
Total CVOCs	NS	244	22	17	25	21	30	11	18	16	9	17	NC	NC	NC	7	7	744	NC	NC	8	NC	NC	6	1	NC	3	NC	NC	NC	NC	NC	NC

Notes
(1) NYSDEC Ambient Water Quality Standards and Guidance
CVOCs = PCE, TCE, DCE, and VC
NC - Not collected
ND - Not detected
NS - No Standard
J - Data indicates the presence of a compound that meets t
U - The analyte was analyzed for, but was not detected abo
E - Concentration of analyte exceeds the range of the calibr
Highlighted values indicate exceedance of the NYSDEC AWQ

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

| Client Sample ID: | | MW-17 | | | | | | | | | MLWell1 | | | | | | | | |

Table 3

Historic Groundwater Sampling Results
3140 Coney Island Avenue, Brooklyn, New York

| Client Sample ID: | | MLWell1 | | |

Table 4

Soil Vapor Intrusion Sample Results
3140 Coney Island Avenue, Brooklyn, New York

Sample Date	1/14/2021				3/29/2021				3/16/2022			
Sample Name	AA-1	SS001	AA-2	SS002	AA-1	SS001	AA-2	SS002	AA-1	SS001	SS002*	AA-2*
Sample Type:	Indoor Air	Sub-slab	Indoor Air	Sub-Slab	Indoor Air	Sub-slab	Indoor Air	Sub-Slab	Indoor Air	Sub-slab	Indoor Air	Sub-Slab
Laboratory ID	L2102212-01	L2102212-02	L2102212-03	L2102212-04	L2115831-01	L2115831-02	L2115831-03	L2115831-04	L2214095-01	L2214095-02	L2214095-03	L2214095-04
VOCs by TO-15 in µg/m^3												
1,1,1-Trichloroethane	<0.109	<10.9	<0.109	<1.09	<0.109	<6.06	<0.109	<1.09	<0.109	<1.76	<1.09	<1.82
1,1,2,2-Tetrachloroethane	<1.37	<13.7	<1.37	<1.37	<1.37	<7.62	<1.76	<1.37	<1.37	<2.22	<1.37	<22.9
1,1,2- Trichloroethane	<1.09	<10.9	<1.09	<1.09	<1.09	<6.06	<2.22	<1.09	<1.09	<1.76	<1.09	<18.2
1,1 Dichloroethane	<0.809	<8.09	<0.809	<0.809	<0.809	<4.49	<0.809	<0.809	<0.809	<1.31	<0.809	<13.5
1,1 Dichloroethene	<0.079	<7.93	<0.079	<0.793	<0.079	<4.40	<0.079	<0.793	<0.079	<1.28	<0.793	<1.32
1,2,4-Trichlorobenzene	<1.48	<14.8	<1.48	<1.48	<1.48	<8.24	<1.48	<1.48	<1.48	<2.4	<1.48	<24.7
1,2,4-Trimethylbenzene	<0.983	<9.83	1.17	3.97	<0.983	<5.46	1.34	5.11	<0.983	73.3	<0.983	383
1,2 Dibromoethane	<1.54	<15.4	<1.54	<1.54	<1.54	<8.53	<1.54	<1.54	<1.54	<2.48	<1.54	<25.6
1,2 Dichlorobenzene	<1.20	<12.0	<1.20	<1.20	<1.20	<6.67	<1.20	<1.20	<1.2	<1.94	<1.2	<20
1,2 Dichloroethane	<0.809	<8.09	<0.809	<0.809	<0.809	<4.49	<0.809	<0.809	<0.809	<1.31	<0.809	<13.5
1,2 Dichloropropane	<0.924	<9.24	<0.924	<0.924	<0.924	<5.13	<0.924	<0.924	<0.924	<1.49	<0.924	<15.4
1,3,5-Trimethylbenzene	<0.983	<9.83	<0.983	<0.983	<0.983	<5.46	<0.983	1.33	<0.983	43.6	<0.983	248
1,3 Butadiene	<0.442	<4.42	<0.442	<0.442	<0.442	<2.46	<0.442	<0.442	<0.442	1	<0.442	8.8
1,3 Dichlorobenzene	<1.20	<12.0	<1.20	<1.20	<1.20	<6.67	<1.20	<1.20	<1.2	<1.94	<1.2	<20
1,4 Dichlorobenzene	<1.20	<12.0	<1.20	<1.20	<1.20	<6.67	<1.20	<1.20	<1.2	<1.94	<1.2	<20
1,4-Dioxane	<0.721	<7.21	<0.721	1.36	<0.721	<4.00	<0.721	<0.721	<0.721	5.15	<0.721	<12
2,2,4-Trimethylpentane	1.2	<9.34	1.22	<0.934	<0.934	<5.18	<0.934	<0.934	<0.934	<1.51	<0.934	<15.6
2-Butanone	1.95	27.4	2.46	11.8	<1.47	<8.20	6.61	3.27	<1.47	40.1	1.56	34.8
2-Hexanone	<0.820	<8.20	<0.820	1.93	<0.820	<4.55	<0.820	<0.820	<0.82	<1.32	<0.82	<13.6
3-Chloropropene	<0.626	<6.26	<0.626	<0.626	<0.626	<3.47	<0.626	<0.626	<0.626	<1.01	<0.626	<10.4
p-Ethyltoluene	<0.983	<9.83	<0.983	<0.983	<0.983	<5.46	<0.983	<0.983	<0.983	19	<0.983	83.6
4-Methyl-2-pentanone	<2.05	<20.5	<2.05	<2.05	<2.05	<11.4	<2.05	<2.05	<2.05	<3.3	<2.05	<34.2
Acetone	21.6	1310	8.77	157	8.98	67.9	18.2	99.5	11.9	217	20.5	454
Benzene	1.63	<6.39	1.64	1.37	<0.639	<3.55	<0.639	0.936	<0.639	2.86	0.703	<10.6
Benzyl Chloride	<1.04	<10.4	<1.04	<1.04	<1.04	<5.75	<1.04	<1.04	<1.04	<1.67	<1.04	<17.2
Bromodichloromethane	<1.34	<13.4	<1.34	<1.34	<1.34	<7.44	<1.34	<1.34	<1.34	<2.16	<1.34	<22.3
Bromoform	<2.07	<20.7	<2.07	<2.07	<2.07	<11.5	<2.07	<2.07	<2.07	<3.34	<2.07	<34.4
Bromomethane	<0.777	<7.77	<0.777	<0.777	<0.777	<4.31	<0.777	<0.777	<0.777	<1.25	<0.777	<12.9
Carbon disulfide	<0.623	14.5	<0.623	3.3	<0.623	13	<0.623	1.31	<0.623	1.11	<0.623	<10.4
Carbon Tetrachloride	0.478	<12.6	0.428	<1.26	0.384	<6.98	0.377	<1.26	0.491	<2.03	<1.26	<2.09
Chlorobenzene	<0.921	<9.21	<0.921	<0.921	<0.921	<5.11	<0.921	<0.921	<0.921	<1.49	<0.921	<15.3
Chloroethane	<0.528	<5.28	<0.528	<0.528	<0.528	<2.93	<0.528	<0.528	<0.528	<0.852	<0.528	<8.79
Chloroform	<0.977	<9.77	<0.977	<0.977	<0.977	<5.42	<0.977	3.01	<0.977	<1.58	<0.977	<16.3
Chloromethane	0.888	<4.13	0.826	<0.413	0.694	<2.29	1.04	<0.413	1.06	1.52	1.33	<6.88
c-1,2-Dichloroethene	0.17	21.1	<0.079	0.924	6.38	54.7	1.32	4.32	1.22	2.79	<0.793	<1.32
c-1,3Dichloropropene	<0.908	<9.08	<0.908	<0.908	<0.908	<5.04	<0.908	<0.908	<0.908	<1.47	<0.908	<15.1
Cyclohexane	<0.688	750	<0.688	<0.688	<0.688	20.4	<0.688	<0.688	<0.688	4.23	<0.688	<11.5
Dibromochloromethane	<1.70	<17.0	<1.70	<1.70	<1.70	<9.46	<1.70	<1.70	<1.7	<2.75	<1.7	<28.4
Dichlorodifluoromethane (Freon 12)	2.03	<9.89	1.99	2.29	2.07	9.3	2.04	2.49	2.57	2.59	2.33	<16.5
Ethanol	16.6	6140	18.3	339	14.6	671	31.3	452	30	200	37.5	1270
Ethyl Acetate	<1.80	<18.0	<1.80	<1.80	<1.80	<10.0	<1.80	<1.80	<1.8	<2.9	1.85	<30.1
Ethyl Benzene	<0.869	<8.69	<0.869	1.48	<0.869	<4.82	<0.869	2.14	<0.869	7.17	<0.869	35.3
Freon 113	<1.53	<15.3	<1.53	<1.53	<1.53	<8.51	<1.53	<1.53	<1.53	<2.48	<1.53	<25.5
Freon 114	<1.40	<14.0	<1.40	<1.40	<1.40	<7.76	<1.40	<1.40	<1.4	<2.26	<1.4	<23.3
Heptane	0.848	10.5	0.828	1.01	<0.820	<4.55	<0.820	1.41	<0.82	10.8	0.955	136
Hexachlorobutadiene	<2.13	<21.3	<2.13	<2.13	<2.13	<11.8	<2.13	<2.13	<2.13	<3.45	<2.13	<35.5
Isopropanol	9.22	67.8	9.78	5.36	4.25	<6.83	4.18	2.36	6.42	14.3	3.83	20.6
ter.ButylMethylEther	<0.721	<7.21	<0.721	<0.721	<0.721	<4.00	<0.721	<0.721	<0.721	<1.16	<0.721	<12
Methylene Chloride	<1.74	<17.4	<1.74	<1.74	<1.74	<9.66	<1.74	<1.74	1.97	<2.8	<1.74	<29
n-Hexane	1.19	<7.05	1.18	1.35	<0.705	<3.91	<0.705	1.17	<0.705	4.05	<0.705	50
o Xylene	0.916	<8.69	0.973	2.07	<0.869	<4.82	<0.869	2.95	<0.869	23.3	<0.869	92.5
m + p Xylene	2.28	<17.4	2.42	5	<1.74	<9.64	<1.74	9.64	<1.74	34.2	<1.74	166
Styrene	<0.852	<8.52	<0.852	3.32	<0.852	<4.73	<0.852	<0.852	<0.852	1.92	<0.852	<14.2
Tertiary butyl Alcohol	<1.52	285	<1.52	41.8	<1.52	13.5	<1.52	28	<1.52	30.9	<1.52	148
Tetrachloroethene	2.78	596	1.42	90.9	65.2	1,860	11.9	311	23.2	80	<1.36	24.1
Tetrahydrofuran	<1.47	<14.7	3.27	1.91	<1.47	<8.20	12.7	<1.47	6.9	8.91	<1.47	<24.6
Toluene	3.58	12.9	3.6	3.96	1.4	4.56	1.23	6.52	1.16	9.57	3.04	19.3
t-1,2-Dichloroethene	<0.793	<7.93	<0.793	<0.793	<0.793	<4.40	0.912	<0.793	<0.793	<1.28	<0.793	<13.2
t-1,3Dichloropropene	<0.908	<9.08	<0.908	<0.908	<0.908	<5.04	<0.908	<0.908	<0.908	<1.47	<0.908	<15.1
Trichloroethene	0.118	23.8	<0.107	1.55	1.82	84.4	0.527	8.06	0.704	3.63	<1.07	<1.79
Trichlorofluoromethane (Freon 11)	1.22	15.4	1.14	2.23	1.15	110	<1.12	4.43	1.27	5.3	1.2	<18.7
Vinyl Bromide	<0.874	<8.74	<0.874	<0.874	<0.874	<4.85	<0.874	<0.874	<0.874	<1.41	<0.874	<14.6
Vinyl Chloride	<0.051	<5.11	<0.051	<0.511	<0.051	<2.84	<0.051	<0.511	<0.051	<0.826	<0.511	<0.851

Notes:

< - Concentration is less than the reporting limit

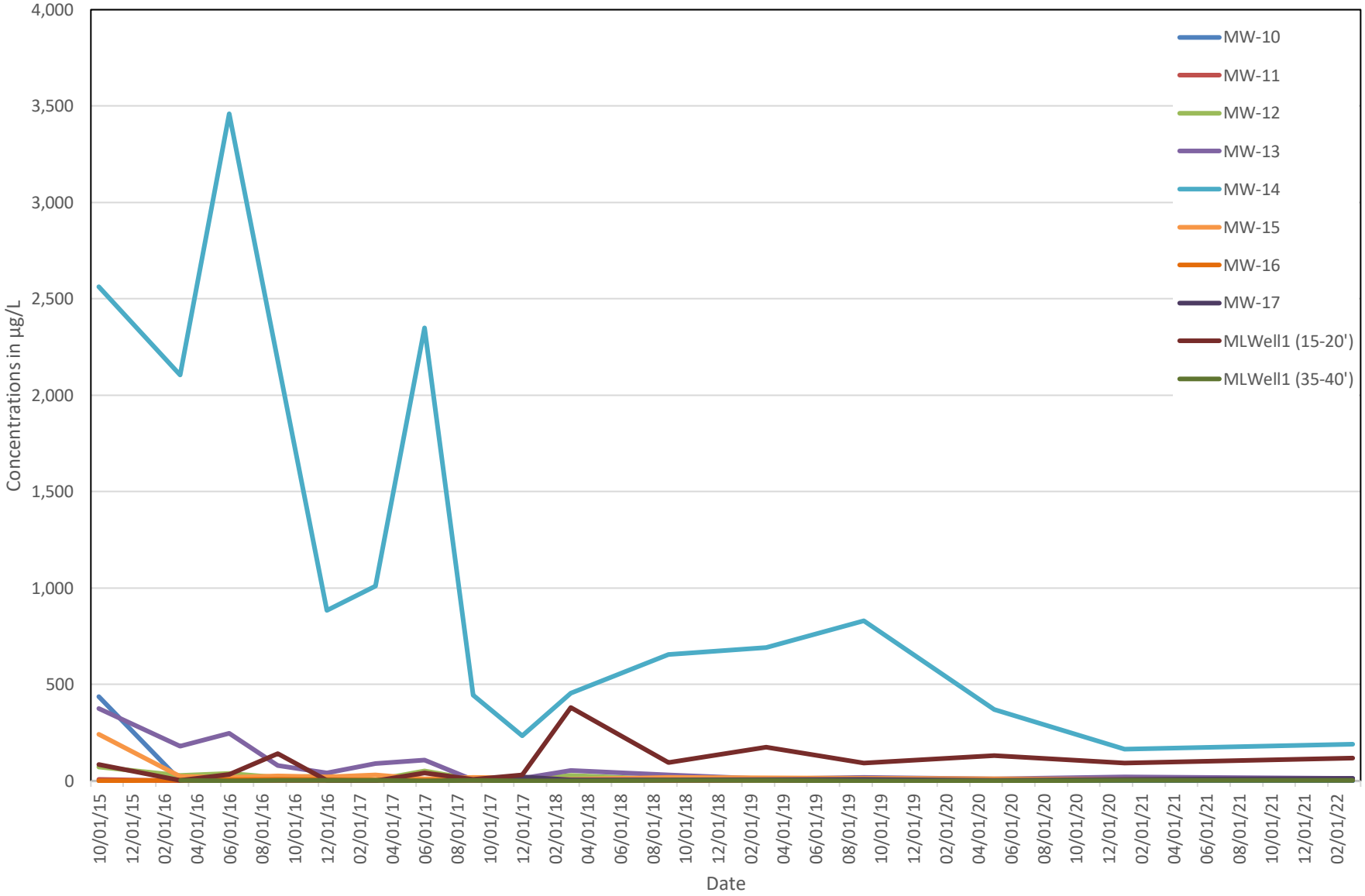
* - Based on historic trends, it is believed that samples AA-2 and SS002, which were collected on 3/16/2022, were mislabeled in the field. The data presented here lists SS002 as the indoor air sample and AA-2 as the sub-slab sample.

CHARTS

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353
PWGROSSER.COM
630 JOHNSON AVENUE, STE 7
BOHEMIA, NY 11716
LONG ISLAND • MANHATTAN • SARATOGA SPRINGS • SYRACUSE • SEATTLE • SHELTON

Chart 1

Groundwater CVOCs Per Well



APPENDIX A

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353
PWGROSSER.COM
630 JOHNSON AVENUE, STE 7
BOHEMIA, NY 11716
LONG ISLAND • MANHATTAN • SARATOGA SPRINGS • SYRACUSE • SEATTLE • SHELTON

Annual / Severe Weather Inspection Form

Former Brighton Cleaners
3140 Coney Island Ave, Brooklyn, NY
NYSDEC BCP #C224157

Inspector's Name: Nick Russell Inspection Time: 15:00

Inspection Date: 3.16.2022 Weather Conditions: Sunny, 50°F

General Site Conditions: All in working order. Site kept clean. Concrete slab is in good condition. Gauge door kept closed.

SVE System / SSDS Inspection

- Inspect and record gauge readings and instruments for appropriate operating parameters.
- Inspect the moisture separator drum.
- Inspect visible fasteners for integrity.
- Inspect for cleanliness, remove dust and grease on motor housing, inspect air filter.
- Are the indicator lights on the control panel functioning property?

Cover System - Interior

- Any visible cracks or settlement in the ground floors?
- Any other visible openings (unintended) in the ground floors?

Cover System – Exterior

- Are there any signs of significant cracks, settlement, or deterioration of paved areas?
- Has any of the pavement material been removed?
- Are there any signs of intrusive activities (drilling, digging, trenching, excavating, etc?)

Monitoring Wells

- Are the flush-mounted caps, protective casings, and well plugs / caps for the groundwater, vacuum, and ISCO (if applicable) monitoring wells secured?

Comments: System off upon arrival. System was turned off by the site owner on 3.1.22 ~~3.1.22~~

Inspector's Signature: Nick Russell

APPENDIX B

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353
PWGROSSER.COM
630 JOHNSON AVENUE, STE 7
BOHEMIA, NY 11716
LONG ISLAND • MANHATTAN • SARATOGA SPRINGS • SYRACUSE • SEATTLE • SHELTON

Well Sampling Log

Well Designation:	MW-10	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR2201

Relative TOC Elevation (ft):	9.60	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	8.82	**Groundwater Elevation (ft):**	0.78
Depth to Bottom (ft):	13.70	**Bottom Elevation (ft):**	-4.10
Height of Water Column (ft):	4.88	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.80	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/16/2022	**Begin Purge Time:**	14:26
Sample Time:	14:55	**Complete Purge Time:**	14:53
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:27
Sample Appearance:	Clear	**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	Sheen on top of sample. Red/Copper colored water
Date Shipped:	3/16/2022		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (°C)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
14:26	15.34	8.23	0.693	39	71.30	0			
14:29	17.05	7.53	0.707	36	55.30	908			
14:32	17.61	7.12	1.200	26	43.20	285			
14:35	17.92	6.95	1.230	12	27.20	161			
14:38	18.01	6.86	1.240	4	23.50	127			
14:41	18.06	6.82	1.260	-4	19.20	69.4			
14:44	17.67	6.78	1.260	-9	13.00	325			
14:47	17.21	6.80	1.270	-20	10.10	281			
14:50	17.24	6.77	1.270	-23	8.40	60.4			
14:53	17.26	6.78	1.270	-27	7.50	25.8			

Well Sampling Log

Well Designation:	MW-11	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR2201

Relative TOC Elevation (ft):	9.73	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	NA	**Groundwater Elevation (ft):**	NA
Depth to Bottom (ft):	NA	**Bottom Elevation (ft):**	NA
Height of Water Column (ft):	NA	**Well Diameter (in):**	2
Standing Water Volume (gal):	NA	**Calculated Purge Volume (gal):**	NA
Sample Date:	NA	**Begin Purge Time:**	
Sample Time:	NA	**Complete Purge Time:**	
Purge Method:	NA	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	NA	**Purge Time (min):**	NA
Sample Appearance:	NA	**Odors Observed:**	
Analytical Laboratory:	NA	**Notes:**	Obstruction encountered at 7.65 feet in the well. Could not be sampled,
Date Shipped:	NA		
Analyses Requested:			
NA			

Field Indicator Parameters

Time	Temp. (°C)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			

Well Sampling Log

Well Designation:	MW-12	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR2201

Relative TOC Elevation (ft):	9.65	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.11	**Groundwater Elevation (ft):**	0.54
Depth to Bottom (ft):	11.85	**Bottom Elevation (ft):**	-2.20
Height of Water Column (ft):	2.74	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.45	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/16/2022	**Begin Purge Time:**	
Sample Time:	10:55	**Complete Purge Time:**	
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:00
Sample Appearance:	Clear	**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	*MS/MSD Collected *Yellow in Color, then cleared up *No Odor
Date Shipped:	3/16/2022		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (°C)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
10:25	13.07	7.12	0.339	124	2.16	265			
10:28	14.98	7.12	0.356	-14	10.10	142			
10:31	15.77	7.14	0.354	-43	8.10	65.9			
10:34	16.14	7.13	0.354	-50	10.20	54.5			
10:37	16.42	7.15	0.355	-55	6.70	43.6			
10:40	16.65	7.16	0.355	-58	6.10	33.6			
10:43	16.87	7.17	0.355	-59	6.00	25.8			
10:46	17.08	7.17	0.355	-61	5.50	18.8			
10:49	17.33	7.18	0.355	-62	5.60	13.4			
10:52	17.48	7.18	0.355	-62	4.80	10.3			

Well Sampling Log

Well Designation:	MW-13	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR2201

Relative TOC Elevation (ft):	9.89	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.38	**Groundwater Elevation (ft):**	0.51
Depth to Bottom (ft):	13.24	**Bottom Elevation (ft):**	-3.35
Height of Water Column (ft):	3.86	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.63	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/16/2022	**Begin Purge Time:**	11:15
Sample Time:	11:35	**Complete Purge Time:**	11:33
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:18
Sample Appearance:	Clear	**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	*Initially dark in color and then cleared up. Sheen.
Date Shipped:	3/16/2022		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (°C)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
11:15	14.29	7.12	0.616	27	47.30	252			
11:18	14.62	7.15	0.584	-47	23.70	0			
11:21	15.42	7.14	0.566	-17	32.30	0			
11:24	15.90	7.12	0.555	-64	27.10	0			
11:27	16.32	7.12	0.552	-66	25.70	0			
11:30	16.35	7.14	0.553	-67	26.30	0			
11:33	16.32	7.15	0.553	-67	23.40	0			

Well Sampling Log

Well Designation:	MW-14	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR2201

Relative TOC Elevation (ft):	9.85	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.35	**Groundwater Elevation (ft):**	0.50
Depth to Bottom (ft):	12.42	**Bottom Elevation (ft):**	-2.57
Height of Water Column (ft):	3.07	**Well Diameter (in):**	2
Standing Water Volume (gal):	0.50	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/16/2022	**Begin Purge Time:**	11:58
Sample Time:	12:20	**Complete Purge Time:**	12:19
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	0:21
Sample Appearance:	Clear	**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	**DUPE COLLECTED
Date Shipped:	3/16/2022		*Strong odor
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (°C)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
11:58	14.49	7.55	0.420	-15	31.20	11.3			
12:01	14.91	7.55	0.412	-49	14.60	0			
12:04	15.75	7.51	0.404	-55	20.90	0			
12:07	16.31	7.47	0.398	-55	40.30	0			
12:10	16.62	7.43	0.394	-53	21.70	0			
12:13	16.98	7.39	0.392	-51	11.40	0			
12:16	16.96	7.38	0.392	-51	10.80	0			
12:19	17.10	7.39	0.390	-51	10.60	0			

Well Sampling Log

Well Designation:	MW-15	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR2201

Relative TOC Elevation (ft):	2.49	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	4.07	**Groundwater Elevation (ft):**	-1.58
Depth to Bottom (ft):	4.58	**Bottom Elevation (ft):**	-2.09
Height of Water Column (ft):	0.51	**Well Diameter (in):**	1
Standing Water Volume (gal):	0.02	**Calculated Purge Volume (gal):**	N/A
Sample Date:	3/16/2022	**Begin Purge Time:**	
Sample Time:	13:40	**Complete Purge Time:**	
Purge Method:	NA	**Sample Method:**	N/A
Purge Rate (mL/min):	NA	**Purge Time (min):**	N/A
Sample Appearance:	N/A	**Odors Observed:**	Odor
Analytical Laboratory:	Alpha	**Notes:**	**Due to low volume of water, sample was collected right away without purging. Sample is dark in color.
Date Shipped:	3/16/2022		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (°C)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			

Well Sampling Log

Well Designation:	MW-16	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR2201

Relative TOC Elevation (ft):	10.25	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	N/A	**Product Elevation (ft):**	NA
Depth to Water (ft):		**Groundwater Elevation (ft):**	10.25
Depth to Bottom (ft):	9.56	**Bottom Elevation (ft):**	0.69
Height of Water Column (ft):	N/A	**Well Diameter (in):**	1
Standing Water Volume (gal):	N/A	**Calculated Purge Volume (gal):**	NA
Sample Date:	NA	**Begin Purge Time:**	
Sample Time:		**Complete Purge Time:**	
Purge Method:	NA	**Sample Method:**	N/A
Purge Rate (mL/min):	NA	**Purge Time (min):**	NA
Sample Appearance:	N/A	**Odors Observed:**	Odor
Analytical Laboratory:	N/A	**Notes:**	NA - Well not utalized
Date Shipped:	NA		
Analyses Requested:			
N/A			

Field Indicator Parameters

Time	Temp. (°C)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			

Well Sampling Log

Well Designation:	MW-17	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR2201

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NA
Depth to Water (ft):	9.73	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	11.50	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	1.77	**Well Diameter (in):**	4
Standing Water Volume (gal):	0.07	**Calculated Purge Volume (gal):**	NA
Sample Date:	3/16/2022	**Begin Purge Time:**	14:01
Sample Time:	14:15	**Complete Purge Time:**	14:04
Purge Method:	Low-Flow	**Sample Method:**	Low-flow
Purge Rate (mL/min):	250	**Purge Time (min):**	NA
Sample Appearance:	Dark	**Odors Observed:**	Odor
Analytical Laboratory:	Alpha	**Notes:**	**Well purged dry. Sample was collected once the well recharged. Sample was dark in color with a petro odor.
Date Shipped:	3/16/2022		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (°C)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
14:01	14.44	8.45	2.020	-40	53.00	0			
14:04	14.55	8.21	0.752	-34	19.60	0			

Well Sampling Log

Well Designation:	ML Well1 (15-20')	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR2201

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	9.43	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	18.45	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	NM	**Well Diameter (in):**	1
Standing Water Volume (gal):	NM	**Calculated Purge Volume (gal):**	NM
Sample Date:	3/16/2022	**Begin Purge Time:**	12:32
Sample Time:	12:45	**Complete Purge Time:**	12:43
Purge Method:	Low-Flow	**Sample Method:**	Low-Flow
Purge Rate (mL/min):	250	**Purge Time (min):**	9
Sample Appearance:	Clear	**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	
Date Shipped:	3/16/2022		
Analyses Requested:			
VOC			

Field Indicator Parameters

Time	Temp. (°C)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
12:32	16.18	7.19	0.297	-12	35.20	170			
12:33	16.58	6.90	0.314	-13	24.20	129			
12:34	16.78	6.80	0.317	-14	23.50	106			
12:35	16.68	6.71	0.322	-14	23.00	68.7			
12:36	16.93	6.67	0.324	-17	22.70	23.9			
12:37	16.98	6.63	0.325	-18	22.30	16.7			
12:38	17.01	6.61	0.326	-19	22.50	0			
12:39	17.03	6.57	0.327	-19	22.30	0			
12:40	17.06	6.54	0.327	-17	22.70	0			
12:41	17.07	6.57	0.327	-20	22.50	0			
12:42	17.1	6.57	0.327	-19	23	0			
12:43	17.11	6.56	0.328	-20	22.9	0			

Well Sampling Log

Well Designation:	ML Well1 (35-40')	**Sampled By:**	NR
Site Address:	3140 Coney Island Ave.	**Project Manager:**	JLL
Project Name:	Former Brighton Cleaners	**Project Number:**	CIR2201

Relative TOC Elevation (ft):	NM	**Well Use:**	Monitoring/Observation
Depth to Product (ft):	No Product	**Product Elevation (ft):**	NM
Depth to Water (ft):	NA	**Groundwater Elevation (ft):**	NM
Depth to Bottom (ft):	NA	**Bottom Elevation (ft):**	NM
Height of Water Column (ft):	NM	**Well Diameter (in):**	1
Standing Water Volume (gal):	NM	**Calculated Purge Volume (gal):**	NM
Sample Date:	3/16/2022	**Begin Purge Time:**	13:09
Sample Time:	13:20	**Complete Purge Time:**	13:18
Purge Method:	Low-Flow	**Sample Method:**	Check Valve
Purge Rate (mL/min):	250	**Purge Time (min):**	9
Sample Appearance:	Clear	**Odors Observed:**	
Analytical Laboratory:	Alpha	**Notes:**	DTW and DTB not obtained due to a bend in the well.
Date Shipped:	3/16/2022		
Analyses Requested: VOC			

Field Indicator Parameters

Time	Temp. (°C)	pH	Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turb. (NTU)			
13:09	15.88	5.83	9.560	-17	66.50	0			
13:10	16.03	5.54	11.600	-13	63.60	0			
13:11	16.48	5.60	21.200	-15	50.80	0			
13:12	16.97	5.75	27.200	-20	40.60	0			
13:13	17.30	6.00	30.100	-23	35.20	0			
13:14	17.50	6.14	31.300	-26	32.00	0			
13:15	17.69	6.30	32.200	-30	28.60	0			
13:16	17.76	6.41	32.500	-32	26.80	0			
13:17	17.80	6.49	32.700	-34	26.10	0			
13:18	17.78	6.60	33.000	-36	26.00	0			

APPENDIX C

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353
PWGROSSER.COM
630 JOHNSON AVENUE, STE 7
BOHEMIA, NY 11716
LONG ISLAND • MANHATTAN • SARATOGA SPRINGS • SYRACUSE • SEATTLE • SHELTON

www.alphalab.com

Alpha Analytical

Laboratory Code: 11148

SDG Number: L2214084

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Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201

Lab Number: L2214084
Report Date: 03/30/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2214084-01	MW-10	WATER	3140 CONEY ISLAND AVE, BROOKLYN, NY	03/16/22 14:55	03/17/22
L2214084-02	MW-12	WATER	3140 CONEY ISLAND AVE, BROOKLYN, NY	03/16/22 10:55	03/17/22
L2214084-03	MW-13	WATER	3140 CONEY ISLAND AVE, BROOKLYN, NY	03/16/22 11:35	03/17/22
L2214084-04	MW-14	WATER	3140 CONEY ISLAND AVE, BROOKLYN, NY	03/16/22 12:20	03/17/22
L2214084-05	MW-15	WATER	3140 CONEY ISLAND AVE, BROOKLYN, NY	03/16/22 13:40	03/17/22
L2214084-06	MW-17	WATER	3140 CONEY ISLAND AVE, BROOKLYN, NY	03/16/22 14:15	03/17/22
L2214084-07	MLW (15-20)	WATER	3140 CONEY ISLAND AVE, BROOKLYN, NY	03/16/22 12:45	03/17/22
L2214084-08	MLW (35-40)	WATER	3140 CONEY ISLAND AVE, BROOKLYN, NY	03/16/22 13:20	03/17/22
L2214084-09	TRIP BLANK	WATER	3140 CONEY ISLAND AVE, BROOKLYN, NY	03/15/22 00:00	03/17/22
L2214084-10	DUPE	WATER	3140 CONEY ISLAND AVE, BROOKLYN, NY	03/16/22 00:00	03/17/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2214084-06: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristen Walker Report Date: 03/30/22

Title: Technical Director/Representative

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD

	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Alpha Job Number : L2214084

Account Name : P. W. Grosser
Project Number : CIR2201
Project Name : FORMER BRIGHTON CLEANERS

Received : 17-MAR-2022
Reviewer : Craig Green

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.4	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between sample labels & COC?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 30 2022, 10:46 am

Login Number: L2214084
Account: PWGROSSER P. W. GrosserProject: CIR2201
Received: 17MAR22 Due Date: 31MAR22

Sample #	Client ID	Mat	PR	Collected
L2214084-01	MW-10		1 S0	16MAR22 14:55
| ASP-B Package Due Date: 03/31/22				
ASP-B,NYTCL-8260				
L2214084-02	MW-12		1 S0	16MAR22 10:55
L2214084-02 MS L2214084-02 MSD Package Due Date: 03/31/22				
MS/MSD,NYTCL-8260				
L2214084-03	MW-13		1 S0	16MAR22 11:35
| Package Due Date: 03/31/22				
NYTCL-8260				
L2214084-04	MW-14		1 S0	16MAR22 12:20
| Package Due Date: 03/31/22				
NYTCL-8260				
L2214084-05	MW-15		1 S0	16MAR22 13:40
| Package Due Date: 03/31/22				
NYTCL-8260				
L2214084-06	MW-17		1 S0	16MAR22 14:15
| Package Due Date: 03/31/22				
NYTCL-8260				
L2214084-07	MLW (15-20)		1 S0	16MAR22 12:45
| Package Due Date: 03/31/22				

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 30 2022, 10:46 am

Login Number: L2214084
Account: PWGROSSER P. W. GrosserProject: CIR2201
Received: 17MAR22 Due Date: 31MAR22

Sample #	Client ID		Mat	PR	Collected
NYTCL-8260					
L2214084-08	MLW (35-40)	1	S0		16MAR22 13:20
| Package Due Date: 03/31/22					
NYTCL-8260					
L2214084-09	TRIP BLANK	1	S0		15MAR22 00:00
| Package Due Date: 03/31/22					
NYTCL-8260					
L2214084-10	DUPE	1	S0		16MAR22 00:00
| Package Due Date: 03/31/22					
NYTCL-8260					

Logged By: Craig Green

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/18/22

ALPHA Job #: L2214084

Client Information

Client: P.W. Grosser
Address: 630 Johnson ave. St 7, Bohemia NY 11716
Phone: 631-589-6353
Fax:
Email: NRussell@pwgrosser.com

Project Information

Project Name: Former Brighton Cleaners
Project Location: 3140 Coney Island Ave. Brooklyn, NY
Project #: CIR 2201
(Use Project name as Project #)
Project Manager: Nick Russell
ALPHAQuote #:

Turn-Around Time

Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs (8260)	Total Bottle
14084-01	MW-10	3/16/22	1455	GW	NR	X	
-02	MW-12 /MS/MSD		1055			X	
-03	MW-13		1135			X	
-04	MW-14		1220			X	
-05	MW-15		1340			X	
-06	MW-17		1415			X	
-07	MLW(15-20)		1245			X	
-08	MLW(35-40)		1320			X	
-09	Trip Blank		X			X	
-10	DUP		X			X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V
Preservative	B

Relinquished By:	Date/Time	Received By:	Date/Time
	3/17/22 8:00		3/17/22 16:02
	3/17/22 19:05		3/17/22 19:30
	3/17		3/17 21:15
	3/17 23:15		3/18/22 2:15

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: P. W. Grosser
Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L2214084
Project Number: CIR2201
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-10 (L2214084-01)	116	94	83	124	0
MW-12 (L2214084-02)	115	95	82	124	0
MW-13 (L2214084-03)	108	99	98	104	0
MW-14 (L2214084-04)	121	94	84	126	0
MW-15 (L2214084-05)	115	96	84	122	0
MW-17 (L2214084-06)	108	97	97	106	0
MLW (15-20) (L2214084-07)	98	99	96	109	0
MLW (35-40) (L2214084-08)	120	93	87	127	0
TRIP BLANK (L2214084-09)	111	97	100	113	0
DUPE (L2214084-10)	114	94	87	124	0
WG1619277-3LCS	103	98	86	102	0
WG1619277-4LCSD	104	97	86	103	0
WG1619277-5BLANK	110	96	85	121	0
MW-12MS	106	97	91	109	0
MW-12MSD	104	97	91	108	0
WG1619786-3LCS	97	100	99	101	0
WG1619786-4LCSD	107	100	97	103	0
WG1619786-5BLANK	108	95	99	107	0
WG1619815-3LCS	113	101	99	111	0
WG1619815-4LCSD	115	102	100	107	0
WG1619815-5BLANK	112	99	100	111	0
WG1621241-3LCS	93	100	99	100	0
WG1621241-4LCSD	101	99	98	104	0
WG1621241-5BLANK	102	98	101	97	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

*** Values outside of QC limits**

FORM II NYTCL-8260

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Matrix	: WATER		
LCS Sample ID	: WG1619277-3	**Analysis Date** : 03/23/22 09:24	**File ID** : V22220323A01
LCSD Sample ID	: WG1619277-4	**Analysis Date** : 03/23/22 09:48	**File ID** : V22220323A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	10	100	10	11	110	10	70-130	20
1,1-Dichloroethane	10	11	110	10	12	120	9	70-130	20
Chloroform	10	10	100	10	11	110	10	70-130	20
Carbon tetrachloride	10	11	110	10	12	120	9	63-132	20
1,2-Dichloropropane	10	11	110	10	12	120	9	70-130	20
Dibromochloromethane	10	11	110	10	10	100	10	63-130	20
1,1,2-Trichloroethane	10	9.5	95	10	9.7	97	2	70-130	20
Tetrachloroethene	10	11	110	10	11	110	0	70-130	20
Chlorobenzene	10	10	100	10	11	110	10	75-130	20
Trichlorofluoromethane	10	11	110	10	12	120	9	62-150	20
1,2-Dichloroethane	10	11	110	10	11	110	0	70-130	20
1,1,1-Trichloroethane	10	11	110	10	11	110	0	67-130	20
Bromodichloromethane	10	10	100	10	11	110	10	67-130	20
trans-1,3-Dichloropropene	10	8.2	82	10	8.2	82	0	70-130	20
cis-1,3-Dichloropropene	10	9.9	99	10	10	100	1	70-130	20
1,1-Dichloropropene	10	11	110	10	11	110	0	70-130	20
Bromoform	10	9.0	90	10	9.4	94	4	54-136	20
1,1,2,2-Tetrachloroethane	10	9.3	93	10	9.7	97	4	67-130	20
Benzene	10	11	110	10	11	110	0	70-130	20
Toluene	10	10	100	10	10	100	0	70-130	20
Ethylbenzene	10	10	100	10	10	100	0	70-130	20
Chloromethane	10	10	100	10	11	110	10	64-130	20
Bromomethane	10	15	150 Q	10	15	150 Q	0	39-139	20
Vinyl chloride	10	13	130	10	13	130	0	55-140	20
Chloroethane	10	18	180 Q	10	18	180 Q	0	55-138	20
1,1-Dichloroethene	10	11	110	10	11	110	0	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Matrix	: WATER		
LCS Sample ID	: WG1619277-3 **Analysis Date** : 03/23/22 09:24	**File ID**	: V22220323A01
LCSD Sample ID	: WG1619277-4 **Analysis Date** : 03/23/22 09:48	**File ID**	: V22220323A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	11	110	10	11	110	0	70-130	20
Trichloroethene	10	10	100	10	11	110	10	70-130	20
1,2-Dichlorobenzene	10	9.7	97	10	10	100	3	70-130	20
1,3-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,4-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
Methyl tert butyl ether	10	8.4	84	10	8.8	88	5	63-130	20
p/m-Xylene	20	21	105	20	22	110	5	70-130	20
o-Xylene	20	20	100	20	21	105	5	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	11	110	10	70-130	20
Dibromomethane	10	10	100	10	11	110	10	70-130	20
1,2,3-Trichloropropane	10	9.0	90	10	9.2	92	2	64-130	20
Acrylonitrile	10	10	100	10	11	110	10	70-130	20
Styrene	20	20	100	20	21	105	5	70-130	20
Dichlorodifluoromethane	10	8.7	87	10	9.0	90	3	36-147	20
Acetone	10	9.6	96	10	10	100	4	58-148	20
Carbon disulfide	10	10	100	10	10	100	0	51-130	20
2-Butanone	10	8.3	83	10	10	100	19	63-138	20
Vinyl acetate	10	10	100	10	9.8	98	2	70-130	20
4-Methyl-2-pentanone	10	8.2	82	10	8.7	87	6	59-130	20
2-Hexanone	10	6.4	64	10	7.0	70	9	57-130	20
Bromochloromethane	10	11	110	10	11	110	0	70-130	20
2,2-Dichloropropane	10	11	110	10	11	110	0	63-133	20
1,2-Dibromoethane	10	9.4	94	10	9.6	96	2	70-130	20
1,3-Dichloropropane	10	9.8	98	10	10	100	2	70-130	20
1,1,1,2-Tetrachloroethane	10	9.4	94	10	9.4	94	0	64-130	20
Bromobenzene	10	9.8	98	10	10	100	2	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Matrix	: WATER		
LCS Sample ID	: WG1619277-3 **Analysis Date** : 03/23/22 09:24	**File ID**	: V22220323A01
LCSD Sample ID	: WG1619277-4 **Analysis Date** : 03/23/22 09:48	**File ID**	: V22220323A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	9.8	98	10	10	100	2	53-136	20
sec-Butylbenzene	10	9.5	95	10	9.8	98	3	70-130	20
tert-Butylbenzene	10	8.3	83	10	8.5	85	2	70-130	20
o-Chlorotoluene	10	9.4	94	10	9.7	97	3	70-130	20
p-Chlorotoluene	10	9.2	92	10	9.7	97	5	70-130	20
1,2-Dibromo-3-chloropropane	10	8.5	85	10	8.6	86	1	41-144	20
Hexachlorobutadiene	10	12	120	10	12	120	0	63-130	20
Isopropylbenzene	10	9.2	92	10	9.7	97	5	70-130	20
p-Isopropyltoluene	10	9.2	92	10	9.6	96	4	70-130	20
Naphthalene	10	7.6	76	10	8.2	82	8	70-130	20
n-Propylbenzene	10	9.6	96	10	9.9	99	3	69-130	20
1,2,3-Trichlorobenzene	10	9.6	96	10	10	100	4	70-130	20
1,2,4-Trichlorobenzene	10	9.6	96	10	10	100	4	70-130	20
1,3,5-Trimethylbenzene	10	9.1	91	10	9.4	94	3	64-130	20
1,2,4-Trimethylbenzene	10	9.0	90	10	9.4	94	4	70-130	20
1,4-Dioxane	500	380	76	500	430	86	12	56-162	20
p-Diethylbenzene	10	8.9	89	10	9.3	93	4	70-130	20
p-Ethyltoluene	10	9.1	91	10	9.5	95	4	70-130	20
1,2,4,5-Tetramethylbenzene	10	8.2	82	10	8.5	85	4	70-130	20
Ethyl ether	10	9.1	91	10	9.2	92	1	59-134	20
trans-1,4-Dichloro-2-butene	10	7.8	78	10	7.6	76	3	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Matrix	: WATER		
LCS Sample ID	: WG1619786-3	**Analysis Date** : 03/24/22 07:02	**File ID** : VE220324A01
LCSD Sample ID	: WG1619786-4	**Analysis Date** : 03/24/22 07:22	**File ID** : VE220324A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	10	100	10	9.3	93	7	70-130	20
1,1-Dichloroethane	10	10	100	10	9.4	94	6	70-130	20
Chloroform	10	11	110	10	9.5	95	15	70-130	20
Carbon tetrachloride	10	10	100	10	9.2	92	8	63-132	20
1,2-Dichloropropane	10	11	110	10	9.8	98	12	70-130	20
Dibromochloromethane	10	9.6	96	10	9.1	91	5	63-130	20
1,1,2-Trichloroethane	10	9.5	95	10	9.4	94	1	70-130	20
Tetrachloroethene	10	10	100	10	9.1	91	9	70-130	20
Chlorobenzene	10	11	110	10	9.4	94	16	75-130	20
Trichlorofluoromethane	10	10	100	10	9.4	94	6	62-150	20
1,2-Dichloroethane	10	10	100	10	10	100	0	70-130	20
1,1,1-Trichloroethane	10	10	100	10	9.5	95	5	67-130	20
Bromodichloromethane	10	10	100	10	9.7	97	3	67-130	20
trans-1,3-Dichloropropene	10	9.2	92	10	9.2	92	0	70-130	20
cis-1,3-Dichloropropene	10	9.9	99	10	8.8	88	12	70-130	20
1,1-Dichloropropene	10	9.8	98	10	9.1	91	7	70-130	20
Bromoform	10	9.2	92	10	8.8	88	4	54-136	20
1,1,2,2-Tetrachloroethane	10	9.2	92	10	9.1	91	1	67-130	20
Benzene	10	10	100	10	9.3	93	7	70-130	20
Toluene	10	10	100	10	9.4	94	6	70-130	20
Ethylbenzene	10	11	110	10	9.7	97	13	70-130	20
Chloromethane	10	11	110	10	10	100	10	64-130	20
Bromomethane	10	14	140 Q	10	12	120	15	39-139	20
Vinyl chloride	10	10	100	10	9.5	95	5	55-140	20
Chloroethane	10	12	120	10	9.5	95	23 Q	55-138	20
1,1-Dichloroethene	10	9.8	98	10	9.3	93	5	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Matrix	: WATER		
LCS Sample ID	: WG1619786-3 **Analysis Date** : 03/24/22 07:02	**File ID**	: VE220324A01
LCSD Sample ID	: WG1619786-4 **Analysis Date** : 03/24/22 07:22	**File ID**	: VE220324A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	10	100	10	9.0	90	11	70-130	20
Trichloroethene	10	11	110	10	9.2	92	18	70-130	20
1,2-Dichlorobenzene	10	11	110	10	9.5	95	15	70-130	20
1,3-Dichlorobenzene	10	11	110	10	9.5	95	15	70-130	20
1,4-Dichlorobenzene	10	11	110	10	9.7	97	13	70-130	20
Methyl tert butyl ether	10	9.0	90	10	9.0	90	0	63-130	20
p/m-Xylene	20	22	110	20	20	100	10	70-130	20
o-Xylene	20	22	110	20	20	100	10	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20
Dibromomethane	10	10	100	10	9.6	96	4	70-130	20
1,2,3-Trichloropropane	10	9.5	95	10	9.0	90	5	64-130	20
Acrylonitrile	10	9.0	90	10	10	100	11	70-130	20
Styrene	20	22	110	20	20	100	10	70-130	20
Dichlorodifluoromethane	10	10	100	10	8.9	89	12	36-147	20
Acetone	10	10	100	10	12	120	18	58-148	20
Carbon disulfide	10	10	100	10	9.3	93	7	51-130	20
2-Butanone	10	8.0	80	10	8.6	86	7	63-138	20
Vinyl acetate	10	8.8	88	10	9.0	90	2	70-130	20
4-Methyl-2-pentanone	10	8.0	80	10	8.3	83	4	59-130	20
2-Hexanone	10	9.0	90	10	9.8	98	9	57-130	20
Bromochloromethane	10	11	110	10	10	100	10	70-130	20
2,2-Dichloropropane	10	11	110	10	9.7	97	13	63-133	20
1,2-Dibromoethane	10	8.6	86	10	8.8	88	2	70-130	20
1,3-Dichloropropane	10	10	100	10	9.2	92	8	70-130	20
1,1,1,2-Tetrachloroethane	10	10	100	10	8.8	88	13	64-130	20
Bromobenzene	10	10	100	10	9.4	94	6	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Matrix	: WATER		
LCS Sample ID	: WG1619786-3 **Analysis Date** : 03/24/22 07:02	**File ID**	: VE220324A01
LCSD Sample ID	: WG1619786-4 **Analysis Date** : 03/24/22 07:22	**File ID**	: VE220324A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	9.3	93	10	8.0	80	15	53-136	20
sec-Butylbenzene	10	10	100	10	8.8	88	13	70-130	20
tert-Butylbenzene	10	10	100	10	8.8	88	13	70-130	20
o-Chlorotoluene	10	10	100	10	9.2	92	8	70-130	20
p-Chlorotoluene	10	11	110	10	9.3	93	17	70-130	20
1,2-Dibromo-3-chloropropane	10	8.3	83	10	9.4	94	12	41-144	20
Hexachlorobutadiene	10	10	100	10	8.4	84	17	63-130	20
Isopropylbenzene	10	10	100	10	8.9	89	12	70-130	20
p-Isopropyltoluene	10	9.5	95	10	8.3	83	13	70-130	20
Naphthalene	10	8.3	83	10	8.2	82	1	70-130	20
n-Propylbenzene	10	10	100	10	8.9	89	12	69-130	20
1,2,3-Trichlorobenzene	10	9.6	96	10	8.7	87	10	70-130	20
1,2,4-Trichlorobenzene	10	9.6	96	10	8.7	87	10	70-130	20
1,3,5-Trimethylbenzene	10	11	110	10	9.1	91	19	64-130	20
1,2,4-Trimethylbenzene	10	10	100	10	8.9	89	12	70-130	20
1,4-Dioxane	500	500	100	500	560	112	11	56-162	20
p-Diethylbenzene	10	9.4	94	10	8.2	82	14	70-130	20
p-Ethyltoluene	10	10	100	10	9.0	90	11	70-130	20
1,2,4,5-Tetramethylbenzene	10	9.1	91	10	8.0	80	13	70-130	20
Ethyl ether	10	9.9	99	10	9.7	97	2	59-134	20
trans-1,4-Dichloro-2-butene	10	9.4	94	10	9.0	90	4	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Matrix	: WATER		
LCS Sample ID	: WG1619815-3 **Analysis Date** : 03/24/22 07:04	**File ID**	: V05220324A01
LCSD Sample ID	: WG1619815-4 **Analysis Date** : 03/24/22 07:27	**File ID**	: V05220324A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	10	100	10	10	100	0	70-130	20
1,1-Dichloroethane	10	11	110	10	11	110	0	70-130	20
Chloroform	10	12	120	10	12	120	0	70-130	20
Carbon tetrachloride	10	13	130	10	14	140 Q	7	63-132	20
1,2-Dichloropropane	10	10	100	10	10	100	0	70-130	20
Dibromochloromethane	10	12	120	10	13	130	8	63-130	20
1,1,2-Trichloroethane	10	10	100	10	11	110	10	70-130	20
Tetrachloroethene	10	12	120	10	12	120	0	70-130	20
Chlorobenzene	10	12	120	10	12	120	0	75-130	20
Trichlorofluoromethane	10	14	140	10	14	140	0	62-150	20
1,2-Dichloroethane	10	11	110	10	12	120	9	70-130	20
1,1,1-Trichloroethane	10	13	130	10	13	130	0	67-130	20
Bromodichloromethane	10	12	120	10	13	130	8	67-130	20
trans-1,3-Dichloropropene	10	11	110	10	12	120	9	70-130	20
cis-1,3-Dichloropropene	10	10	100	10	11	110	10	70-130	20
1,1-Dichloropropene	10	12	120	10	12	120	0	70-130	20
Bromoform	10	11	110	10	12	120	9	54-136	20
1,1,2,2-Tetrachloroethane	10	9.7	97	10	11	110	13	67-130	20
Benzene	10	10	100	10	10	100	0	70-130	20
Toluene	10	11	110	10	11	110	0	70-130	20
Ethylbenzene	10	12	120	10	12	120	0	70-130	20
Chloromethane	10	8.1	81	10	8.1	81	0	64-130	20
Bromomethane	10	11	110	10	11	110	0	39-139	20
Vinyl chloride	10	10	100	10	10	100	0	55-140	20
Chloroethane	10	11	110	10	11	110	0	55-138	20
1,1-Dichloroethene	10	12	120	10	12	120	0	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Matrix	: WATER		
LCS Sample ID	: WG1619815-3 **Analysis Date** : 03/24/22 07:04	**File ID**	: V05220324A01
LCSD Sample ID	: WG1619815-4 **Analysis Date** : 03/24/22 07:27	**File ID**	: V05220324A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	11	110	10	11	110	0	70-130	20
Trichloroethene	10	10	100	10	11	110	10	70-130	20
1,2-Dichlorobenzene	10	12	120	10	12	120	0	70-130	20
1,3-Dichlorobenzene	10	12	120	10	12	120	0	70-130	20
1,4-Dichlorobenzene	10	12	120	10	12	120	0	70-130	20
Methyl tert butyl ether	10	11	110	10	11	110	0	63-130	20
p/m-Xylene	20	24	120	20	24	120	0	70-130	20
o-Xylene	20	24	120	20	24	120	0	70-130	20
cis-1,2-Dichloroethene	10	11	110	10	11	110	0	70-130	20
Dibromomethane	10	11	110	10	12	120	9	70-130	20
1,2,3-Trichloropropane	10	10	100	10	11	110	10	64-130	20
Acrylonitrile	10	8.9	89	10	10	100	12	70-130	20
Styrene	20	23	115	20	24	120	4	70-130	20
Dichlorodifluoromethane	10	11	110	10	12	120	9	36-147	20
Acetone	10	8.0	80	10	9.9	99	21 Q	58-148	20
Carbon disulfide	10	9.8	98	10	9.9	99	1	51-130	20
2-Butanone	10	8.1	81	10	9.0	90	11	63-138	20
Vinyl acetate	10	9.0	90	10	9.8	98	9	70-130	20
4-Methyl-2-pentanone	10	9.1	91	10	9.8	98	7	59-130	20
2-Hexanone	10	8.6	86	10	9.8	98	13	57-130	20
Bromochloromethane	10	12	120	10	11	110	9	70-130	20
2,2-Dichloropropane	10	14	140 Q	10	14	140 Q	0	63-133	20
1,2-Dibromoethane	10	11	110	10	11	110	0	70-130	20
1,3-Dichloropropane	10	11	110	10	12	120	9	70-130	20
1,1,1,2-Tetrachloroethane	10	12	120	10	13	130	8	64-130	20
Bromobenzene	10	12	120	10	12	120	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Matrix	: WATER		
LCS Sample ID	: WG1619815-3 **Analysis Date** : 03/24/22 07:04	**File ID**	: V05220324A01
LCSD Sample ID	: WG1619815-4 **Analysis Date** : 03/24/22 07:27	**File ID**	: V05220324A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	12	120	10	12	120	0	53-136	20
sec-Butylbenzene	10	12	120	10	12	120	0	70-130	20
tert-Butylbenzene	10	12	120	10	12	120	0	70-130	20
o-Chlorotoluene	10	12	120	10	12	120	0	70-130	20
p-Chlorotoluene	10	12	120	10	12	120	0	70-130	20
1,2-Dibromo-3-chloropropane	10	9.6	96	10	11	110	14	41-144	20
Hexachlorobutadiene	10	12	120	10	13	130	8	63-130	20
Isopropylbenzene	10	11	110	10	12	120	9	70-130	20
p-Isopropyltoluene	10	12	120	10	12	120	0	70-130	20
Naphthalene	10	10	100	10	12	120	18	70-130	20
n-Propylbenzene	10	12	120	10	12	120	0	69-130	20
1,2,3-Trichlorobenzene	10	11	110	10	12	120	9	70-130	20
1,2,4-Trichlorobenzene	10	11	110	10	12	120	9	70-130	20
1,3,5-Trimethylbenzene	10	12	120	10	12	120	0	64-130	20
1,2,4-Trimethylbenzene	10	12	120	10	12	120	0	70-130	20
1,4-Dioxane	500	460	92	500	520	104	12	56-162	20
p-Diethylbenzene	10	12	120	10	12	120	0	70-130	20
p-Ethyltoluene	10	12	120	10	12	120	0	70-130	20
1,2,4,5-Tetramethylbenzene	10	12	120	10	13	130	8	70-130	20
Ethyl ether	10	10	100	10	11	110	10	59-134	20
trans-1,4-Dichloro-2-butene	10	9.8	98	10	11	110	12	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Matrix	: WATER		
LCS Sample ID	: WG1621241-3	**Analysis Date** : 03/29/22 06:50	**File ID** : VE220329A01
LCSD Sample ID	: WG1621241-4	**Analysis Date** : 03/29/22 07:10	**File ID** : VE220329A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	9.8	98	10	10	100	2	70-130	20
1,1-Dichloroethane	10	10	100	10	10	100	0	70-130	20
Chloroform	10	9.4	94	10	10	100	6	70-130	20
Carbon tetrachloride	10	9.8	98	10	10	100	2	63-132	20
1,2-Dichloropropane	10	10	100	10	11	110	10	70-130	20
Dibromochloromethane	10	9.0	90	10	9.3	93	3	63-130	20
1,1,2-Trichloroethane	10	9.1	91	10	9.2	92	1	70-130	20
Tetrachloroethene	10	10	100	10	10	100	0	70-130	20
Chlorobenzene	10	10	100	10	9.9	99	1	75-130	20
Trichlorofluoromethane	10	10	100	10	10	100	0	62-150	20
1,2-Dichloroethane	10	9.9	99	10	10	100	1	70-130	20
1,1,1-Trichloroethane	10	9.8	98	10	10	100	2	67-130	20
Bromodichloromethane	10	9.7	97	10	10	100	3	67-130	20
trans-1,3-Dichloropropene	10	9.0	90	10	9.5	95	5	70-130	20
cis-1,3-Dichloropropene	10	9.3	93	10	9.8	98	5	70-130	20
1,1-Dichloropropene	10	9.8	98	10	9.6	96	2	70-130	20
Bromoform	10	8.4	84	10	8.9	89	6	54-136	20
1,1,2,2-Tetrachloroethane	10	8.1	81	10	8.8	88	8	67-130	20
Benzene	10	9.5	95	10	10	100	5	70-130	20
Toluene	10	9.9	99	10	9.9	99	0	70-130	20
Ethylbenzene	10	10	100	10	11	110	10	70-130	20
Chloromethane	10	9.7	97	10	9.8	98	1	64-130	20
Bromomethane	10	9.6	96	10	11	110	14	39-139	20
Vinyl chloride	10	9.8	98	10	9.9	99	1	55-140	20
Chloroethane	10	12	120	10	12	120	0	55-138	20
1,1-Dichloroethene	10	9.0	90	10	10	100	11	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Matrix	: WATER		
LCS Sample ID	: WG1621241-3 **Analysis Date** : 03/29/22 06:50	**File ID**	: VE220329A01
LCSD Sample ID	: WG1621241-4 **Analysis Date** : 03/29/22 07:10	**File ID**	: VE220329A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	9.6	96	10	10	100	4	70-130	20
Trichloroethene	10	9.4	94	10	9.6	96	2	70-130	20
1,2-Dichlorobenzene	10	9.7	97	10	10	100	3	70-130	20
1,3-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,4-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
Methyl tert butyl ether	10	8.3	83	10	9.6	96	15	63-130	20
p/m-Xylene	20	21	105	20	22	110	5	70-130	20
o-Xylene	20	21	105	20	21	105	0	70-130	20
cis-1,2-Dichloroethene	10	9.8	98	10	10	100	2	70-130	20
Dibromomethane	10	9.3	93	10	9.9	99	6	70-130	20
1,2,3-Trichloropropane	10	8.7	87	10	8.9	89	2	64-130	20
Acrylonitrile	10	8.8	88	10	10	100	13	70-130	20
Styrene	20	21	105	20	22	110	5	70-130	20
Dichlorodifluoromethane	10	8.5	85	10	8.9	89	5	36-147	20
Acetone	10	8.5	85	10	9.2	92	8	58-148	20
Carbon disulfide	10	10	100	10	10	100	0	51-130	20
2-Butanone	10	7.1	71	10	7.8	78	9	63-138	20
Vinyl acetate	10	8.4	84	10	8.9	89	6	70-130	20
4-Methyl-2-pentanone	10	7.7	77	10	8.4	84	9	59-130	20
2-Hexanone	10	8.5	85	10	9.2	92	8	57-130	20
Bromochloromethane	10	9.3	93	10	10	100	7	70-130	20
2,2-Dichloropropane	10	10	100	10	11	110	10	63-133	20
1,2-Dibromoethane	10	8.0	80	10	8.7	87	8	70-130	20
1,3-Dichloropropane	10	9.0	90	10	9.4	94	4	70-130	20
1,1,1,2-Tetrachloroethane	10	9.4	94	10	9.7	97	3	64-130	20
Bromobenzene	10	10	100	10	10	100	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Matrix	: WATER		
LCS Sample ID	: WG1621241-3 **Analysis Date** : 03/29/22 06:50	**File ID**	: VE220329A01
LCSD Sample ID	: WG1621241-4 **Analysis Date** : 03/29/22 07:10	**File ID**	: VE220329A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	9.2	92	10	10	100	8	53-136	20
sec-Butylbenzene	10	9.9	99	10	11	110	11	70-130	20
tert-Butylbenzene	10	10	100	10	11	110	10	70-130	20
o-Chlorotoluene	10	10	100	10	10	100	0	70-130	20
p-Chlorotoluene	10	9.9	99	10	10	100	1	70-130	20
1,2-Dibromo-3-chloropropane	10	8.1	81	10	8.4	84	4	41-144	20
Hexachlorobutadiene	10	9.9	99	10	10	100	1	63-130	20
Isopropylbenzene	10	10	100	10	10	100	0	70-130	20
p-Isopropyltoluene	10	9.3	93	10	10	100	7	70-130	20
Naphthalene	10	7.9	79	10	8.2	82	4	70-130	20
n-Propylbenzene	10	10	100	10	10	100	0	69-130	20
1,2,3-Trichlorobenzene	10	8.8	88	10	8.8	88	0	70-130	20
1,2,4-Trichlorobenzene	10	9.0	90	10	9.1	91	1	70-130	20
1,3,5-Trimethylbenzene	10	10	100	10	11	110	10	64-130	20
1,2,4-Trimethylbenzene	10	10	100	10	10	100	0	70-130	20
1,4-Dioxane	500	540	108	500	600	120	11	56-162	20
p-Diethylbenzene	10	9.2	92	10	10	100	8	70-130	20
p-Ethyltoluene	10	10	100	10	11	110	10	70-130	20
1,2,4,5-Tetramethylbenzene	10	8.8	88	10	9.4	94	7	70-130	20
Ethyl ether	10	9.5	95	10	9.6	96	1	59-134	20
trans-1,4-Dichloro-2-butene	10	8.5	85	10	9.0	90	6	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Client Sample ID	: MW-12	**Matrix**	: WATER
Lab Sample ID	: L2214084-02	**Analysis Date**	: 03/23/22 16:21
Matrix Spike	: WG1619277-6	**MS Analysis Date**	: 03/23/22 20:03
Matrix Spike Dup	: WG1619277-7	**MSD Analysis Date**	: 03/23/22 20:27

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	10	12	120	10	12	120	0	70-130	20
1,1-Dichloroethane	ND	10	13	130	10	13	130	0	70-130	20
Chloroform	ND	10	12	120	10	12	120	0	70-130	20
Carbon tetrachloride	ND	10	13	130	10	13	130	0	63-132	20
1,2-Dichloropropane	ND	10	12	120	10	12	120	0	70-130	20
Dibromochloromethane	ND	10	10	100	10	10	100	0	63-130	20
1,1,2-Trichloroethane	ND	10	9.4	94	10	9.6	96	2	70-130	20
Tetrachloroethene	2.0	10	14	120	10	13	110	7	70-130	20
Chlorobenzene	ND	10	11	110	10	11	110	0	75-130	20
Trichlorofluoromethane	ND	10	14	140	10	13	130	7	62-150	20
1,2-Dichloroethane	ND	10	12	120	10	12	120	0	70-130	20
1,1,1-Trichloroethane	ND	10	12	120	10	12	120	0	67-130	20
Bromodichloromethane	ND	10	11	110	10	11	110	0	67-130	20
trans-1,3-Dichloropropene	ND	10	7.5	75	10	7.7	77	3	70-130	20
cis-1,3-Dichloropropene	ND	10	10	100	10	10	100	0	70-130	20
1,1-Dichloropropene	ND	10	12	120	10	12	120	0	70-130	20
Bromoform	ND	10	9.6	96	10	9.4	94	2	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	10	100	10	10	100	0	67-130	20
Benzene	ND	10	12	120	10	12	120	0	70-130	20
Toluene	ND	10	11	110	10	11	110	0	70-130	20
Ethylbenzene	ND	10	11	110	10	11	110	0	70-130	20
Chloromethane	ND	10	12	120	10	12	120	0	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Client Sample ID	: MW-12	**Matrix**	: WATER
Lab Sample ID	: L2214084-02	**Analysis Date**	: 03/23/22 16:21
Matrix Spike	: WG1619277-6	**MS Analysis Date**	: 03/23/22 20:03
Matrix Spike Dup	: WG1619277-7	**MSD Analysis Date**	: 03/23/22 20:27

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Bromomethane	ND	10	5.3	53	10	9.2	92	54 Q	39-139	20
Vinyl chloride	0.67J	10	16	160 Q	10	16	160 Q	0	55-140	20
Chloroethane	ND	10	21	210 Q	10	22	220 Q	5	55-138	20
1,1-Dichloroethene	ND	10	13	130	10	13	130	0	61-145	20
trans-1,2-Dichloroethene	ND	10	13	130	10	13	130	0	70-130	20
Trichloroethene	0.87	10	12	111	10	12	111	0	70-130	20
1,2-Dichlorobenzene	ND	10	10	100	10	10	100	0	70-130	20
1,3-Dichlorobenzene	ND	10	10	100	10	10	100	0	70-130	20
1,4-Dichlorobenzene	ND	10	10	100	10	11	110	10	70-130	20
Methyl tert butyl ether	ND	10	8.9	89	10	9.4	94	5	63-130	20
p/m-Xylene	ND	20	22	110	20	22	110	0	70-130	20
o-Xylene	ND	20	22	110	20	22	110	0	70-130	20
cis-1,2-Dichloroethene	1.0J	10	13	130	10	13	130	0	70-130	20
Dibromomethane	ND	10	12	120	10	11	110	9	70-130	20
1,2,3-Trichloropropane	ND	10	9.6	96	10	9.8	98	2	64-130	20
Acrylonitrile	ND	10	12	120	10	12	120	0	70-130	20
Styrene	ND	20	21	105	20	21	105	0	70-130	20
Dichlorodifluoromethane	ND	10	11	110	10	10	100	10	36-147	20
Acetone	ND	10	12	120	10	12	120	0	58-148	20
Carbon disulfide	ND	10	12	120	10	12	120	0	51-130	20
2-Butanone	ND	10	11	110	10	12	120	9	63-138	20
Vinyl acetate	ND	10	9.4	94	10	10	100	6	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Client Sample ID	: MW-12	**Matrix**	: WATER
Lab Sample ID	: L2214084-02	**Analysis Date**	: 03/23/22 16:21
Matrix Spike	: WG1619277-6	**MS Analysis Date**	: 03/23/22 20:03
Matrix Spike Dup	: WG1619277-7	**MSD Analysis Date**	: 03/23/22 20:27

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
4-Methyl-2-pentanone	ND	10	10	100	10	10	100	0	59-130	20
2-Hexanone	ND	10	8.4	84	10	8.7	87	4	57-130	20
Bromochloromethane	ND	10	12	120	10	12	120	0	70-130	20
2,2-Dichloropropane	ND	10	11	110	10	11	110	0	63-133	20
1,2-Dibromoethane	ND	10	9.5	95	10	9.9	99	4	70-130	20
1,3-Dichloropropane	ND	10	9.7	97	10	10	100	3	70-130	20
1,1,1,2-Tetrachloroethane	ND	10	9.2	92	10	9.5	95	3	64-130	20
Bromobenzene	ND	10	11	110	10	11	110	0	70-130	20
n-Butylbenzene	ND	10	9.2	92	10	9.2	92	0	53-136	20
sec-Butylbenzene	ND	10	9.5	95	10	9.6	96	1	70-130	20
tert-Butylbenzene	ND	10	8.9	89	10	9.0	90	1	70-130	20
o-Chlorotoluene	ND	10	10	100	10	10	100	0	70-130	20
p-Chlorotoluene	ND	10	10	100	10	10	100	0	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	9.6	96	10	10	100	4	41-144	20
Hexachlorobutadiene	ND	10	8.2	82	10	7.4	74	10	63-130	20
Isopropylbenzene	ND	10	10	100	10	10	100	0	70-130	20
p-Isopropyltoluene	ND	10	9.3	93	10	9.3	93	0	70-130	20
Naphthalene	ND	10	9.2	92	10	8.4	84	9	70-130	20
n-Propylbenzene	ND	10	10	100	10	10	100	0	69-130	20
1,2,3-Trichlorobenzene	ND	10	8.3	83	10	8.3	83	0	70-130	20
1,2,4-Trichlorobenzene	ND	10	8.8	88	10	8.7	87	1	70-130	20
1,3,5-Trimethylbenzene	ND	10	9.4	94	10	9.4	94	0	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Client Sample ID	: MW-12	**Matrix**	: WATER
Lab Sample ID	: L2214084-02	**Analysis Date**	: 03/23/22 16:21
Matrix Spike	: WG1619277-6	**MS Analysis Date**	: 03/23/22 20:03
Matrix Spike Dup	: WG1619277-7	**MSD Analysis Date**	: 03/23/22 20:27

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
1,2,4-Trimethylbenzene	ND	10	10	100		10	9.8	98	2	70-130	20
1,4-Dioxane	ND	500	460	92		500	470	94	2	56-162	20
p-Diethylbenzene	ND	10	9.2	92		10	8.9	89	3	70-130	20
p-Ethyltoluene	ND	10	10	100		10	10	100	0	70-130	20
1,2,4,5-Tetramethylbenzene	ND	10	8.1	81		10	8.0	80	1	70-130	20
Ethyl ether	ND	10	10	100		10	11	110	10	59-134	20
trans-1,4-Dichloro-2-butene	ND	10	6.0	60	Q	10	6.4	64	Q 6	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab Sample ID	: WG1619277-5	**Lab File ID**	: V22220323A05
Instrument ID	: VOA122		
Matrix	: WATER	**Analysis Date**	: 03/23/22 11:02

Client Sample No.	Lab Sample ID	Analysis Date
WG1619277-3LCS	WG1619277-3	03/23/22 09:24
WG1619277-4LCSD	WG1619277-4	03/23/22 09:48
MW-10	L2214084-01	03/23/22 15:57
MW-12	L2214084-02	03/23/22 16:21
MW-14	L2214084-04	03/23/22 17:11
MW-15	L2214084-05	03/23/22 17:35
MLW (35-40)	L2214084-08	03/23/22 18:49
DUPE	L2214084-10	03/23/22 19:13
MW-12MS	WG1619277-6	03/23/22 20:03
MW-12MSD	WG1619277-7	03/23/22 20:27

Method Blank Summary
Form 4
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab Sample ID	: WG1619786-5	**Lab File ID**	: VE220324A05
Instrument ID	: ELAINE		
Matrix	: WATER	**Analysis Date**	: 03/24/22 08:23

Client Sample No.	Lab Sample ID	Analysis Date
WG1619786-3LCS	WG1619786-3	03/24/22 07:02
WG1619786-4LCSD	WG1619786-4	03/24/22 07:22
MW-13	L2214084-03	03/24/22 11:46
MW-17	L2214084-06	03/24/22 12:06

Method Blank Summary
Form 4
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab Sample ID	: WG1619815-5	**Lab File ID**	: V05220324A05
Instrument ID	: VOA105		
Matrix	: WATER	**Analysis Date**	: 03/24/22 08:36

Client Sample No.	Lab Sample ID	Analysis Date
WG1619815-3LCS	WG1619815-3	03/24/22 07:04
WG1619815-4LCSD	WG1619815-4	03/24/22 07:27
TRIP BLANK	L2214084-09	03/24/22 08:59

Method Blank Summary
Form 4
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab Sample ID	: WG1621241-5	**Lab File ID**	: VE220329A05
Instrument ID	: ELAINE		
Matrix	: WATER	**Analysis Date**	: 03/29/22 08:11

Client Sample No.	Lab Sample ID	Analysis Date
WG1621241-3LCS	WG1621241-3	03/29/22 06:50
WG1621241-4LCSD	WG1621241-4	03/29/22 07:10
MLW (15-20)	L2214084-07	03/29/22 08:51

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Instrument ID	: VOA122	**Analysis Date**	: 01/28/22 17:34
Tune Standard	: WG1600684-1	**Tune File ID**	: V22220128NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	47.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	81.2
175	5.0 - 9.0% of mass 174	6.4 (7.9)1
176	95.0 - 101% of mass 174	78.9 (97.2)1
177	5.0 - 9.0% of mass 176	5.3 (6.8)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1529169-1	V22220128N04	01/28/22 19:06
STD0.5PPB	R1529169-2	V22220128N06	01/28/22 19:55
STD2PPB	R1529169-4	V22220128N08	01/28/22 20:43
STD10PPB	R1529169-3	V22220128N09	01/28/22 21:07
STD30PPB	R1529169-5	V22220128N10	01/28/22 21:32
STD80PPB	R1529169-6	V22220128N11	01/28/22 21:56
STD120PPB	R1529169-8	V22220128N12	01/28/22 22:20
STD200PPB	R1529169-9	V22220128N13	01/28/22 22:44
ICV Quant Report	R1529169-7	V22220128N18	01/29/22 00:47

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Instrument ID	: VOA122	**Analysis Date**	: 03/23/22 09:13
Tune Standard	: WG1619277-1	**Tune File ID**	: V22220323ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	22.7
75	30.0 - 60.0% of mass 95	51.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	90
175	5.0 - 9.0% of mass 174	6.8 (7.5)1
176	95.0 - 101% of mass 174	88.7 (98.5)1
177	5.0 - 9.0% of mass 176	5.5 (6.2)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1619277-2CCAL	WG1619277-2	V22220323A01	03/23/22 09:24
WG1619277-3LCS	WG1619277-3	V22220323A01	03/23/22 09:24
WG1619277-4LCSD	WG1619277-4	V22220323A02	03/23/22 09:48
WG1619277-5BLANK	WG1619277-5	V22220323A05	03/23/22 11:02
MW-10	L2214084-01	V22220323A17	03/23/22 15:57
MW-12	L2214084-02	V22220323A18	03/23/22 16:21
MW-14	L2214084-04	V22220323A20	03/23/22 17:11
MW-15	L2214084-05	V22220323A21	03/23/22 17:35
MLW (35-40)	L2214084-08	V22220323A24	03/23/22 18:49
DUPE	L2214084-10	V22220323A25	03/23/22 19:13
WG1619277-6MS	WG1619277-6	V22220323A27	03/23/22 20:03
WG1619277-7MSD	WG1619277-7	V22220323A28	03/23/22 20:27

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Instrument ID	: VOA105	**Analysis Date**	: 02/08/22 16:04
Tune Standard	: WG1603077-1	**Tune File ID**	: V05220208NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	26.5
75	30.0 - 60.0% of mass 95	52.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	76.9
175	5.0 - 9.0% of mass 174	6.1 (7.9)1
176	95.0 - 101% of mass 174	74.5 (96.9)1
177	5.0 - 9.0% of mass 176	5 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19	R1531411-1	V05220208N04	02/08/22 17:32
STD0.5	R1531411-2	V05220208N06	02/08/22 18:18
STD2	R1531411-3	V05220208N08	02/08/22 19:04
STD10	R1531411-4	V05220208N09	02/08/22 19:27
STD30	R1531411-5	V05220208N10	02/08/22 19:50
STD80	R1531411-6	V05220208N11	02/08/22 20:13
STD120	R1531411-7	V05220208N12	02/08/22 20:36
STD200	R1531411-8	V05220208N13	02/08/22 20:59
ICV Quant Report	R1531411-9	V05220208N18	02/08/22 22:54

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Instrument ID	: VOA105	**Analysis Date**	: 03/24/22 06:49
Tune Standard	: WG1619815-1	**Tune File ID**	: V05220324ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	25.2
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	78.9
175	5.0 - 9.0% of mass 174	5.8 (7.3)1
176	95.0 - 101% of mass 174	76.6 (97.1)1
177	5.0 - 9.0% of mass 176	4.7 (6.1)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1619815-2CCAL	WG1619815-2	V05220324A01	03/24/22 07:04
WG1619815-3LCS	WG1619815-3	V05220324A01	03/24/22 07:04
WG1619815-4LCSD	WG1619815-4	V05220324A02	03/24/22 07:27
WG1619815-5BLANK	WG1619815-5	V05220324A05	03/24/22 08:36
TRIP BLANK	L2214084-09	V05220324A06	03/24/22 08:59

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Instrument ID	: ELAINE	**Analysis Date**	: 03/17/22 00:08
Tune Standard	: WG1616830-1	**Tune File ID**	: VE220316NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.8
75	30.0 - 60.0% of mass 95	49.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	79.5
175	5.0 - 9.0% of mass 174	6.1 (7.6)1
176	95.0 - 101% of mass 174	78.3 (98.5)1
177	5.0 - 9.0% of mass 176	5.3 (6.8)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1544154-1	VE220316N03	03/17/22 01:07
STD0.5PPB	R1544154-2	VE220316N06	03/17/22 02:08
STD2PPB	R1544154-4	VE220316N07	03/17/22 02:29
STD10PPB	R1544154-3	VE220316N09	03/17/22 03:10
STD30PPB	R1544154-5	VE220316N10	03/17/22 03:30
STD80PPB	R1544154-7	VE220316N11	03/17/22 03:51
STD120PPB	R1544154-6	VE220316N12	03/17/22 04:11
STD200PPB	R1544154-9	VE220316N13	03/17/22 04:31
Correlation Data Summary	R1544154-8	VE220316N19	03/17/22 06:34
ICV Quant Report	R1544154-8	VE220316N19	03/17/22 06:34

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Instrument ID	: ELAINE	**Analysis Date**	: 03/24/22 06:48
Tune Standard	: WG1619786-1	**Tune File ID**	: VE220324ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	25.6
75	30.0 - 60.0% of mass 95	50
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	80.7
175	5.0 - 9.0% of mass 174	6.1 (7.6)1
176	95.0 - 101% of mass 174	78.9 (97.8)1
177	5.0 - 9.0% of mass 176	5.1 (6.5)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1619786-2CCAL	WG1619786-2	VE220324A01	03/24/22 07:02
WG1619786-3LCS	WG1619786-3	VE220324A01	03/24/22 07:02
WG1619786-4LCSD	WG1619786-4	VE220324A02	03/24/22 07:22
WG1619786-5BLANK	WG1619786-5	VE220324A05	03/24/22 08:23
MW-13	L2214084-03	VE220324A15	03/24/22 11:46
MW-17	L2214084-06	VE220324A16	03/24/22 12:06

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Instrument ID	: ELAINE	**Analysis Date**	: 03/29/22 06:31
Tune Standard	: WG1621241-1	**Tune File ID**	: VE220329ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	25.1
75	30.0 - 60.0% of mass 95	49.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	80.2
175	5.0 - 9.0% of mass 174	5.8 (7.2)1
176	95.0 - 101% of mass 174	76.8 (95.7)1
177	5.0 - 9.0% of mass 176	5.2 (6.8)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1621241-2CCAL	WG1621241-2	VE220329A01	03/29/22 06:50
WG1621241-3LCS	WG1621241-3	VE220329A01	03/29/22 06:50
WG1621241-4LCSD	WG1621241-4	VE220329A02	03/29/22 07:10
WG1621241-5BLANK	WG1621241-5	VE220329A05	03/29/22 08:11
MLW (15-20)	L2214084-07	VE220329A07	03/29/22 08:51

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Instrument ID	: VOA122	**Analysis Date**	: 03/23/22 09:24:00
Sample No	: WG1619277-2	**Lab File ID**	: V22220323A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1619277-2	208471	5.59	173941	9.11	105828	11.91
Upper Limit	416942	6.09	347882	9.61	211656	12.41
Lower Limit	104236	5.09	86971	8.61	52914	11.41
Sample ID						
WG1619277-3 LCS	208471	5.59	173941	9.11	105828	11.91
WG1619277-4 LCSD	201828	5.60	169882	9.11	101927	11.91
WG1619277-5 BLANK	159853	5.60	151202	9.11	87231	11.91
MW-10	142474	5.60	140842	9.11	83742	11.91
MW-12	144282	5.60	142748	9.11	83128	11.91
MW-14	170987	5.60	161958	9.11	100140	11.91
MW-15	173623	5.60	162798	9.11	97527	11.91
MLW (35-40)	193857	5.60	182821	9.11	106213	11.91
DUPE	193820	5.60	187240	9.11	108783	11.91
MW-12 MS	242629	5.60	213219	9.11	122996	11.91
MW-12 MSD	243453	5.60	216074	9.11	123775	11.91

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Instrument ID	: ELAINE	**Analysis Date**	: 03/24/22 07:02:00
Sample No	: WG1619786-2	**Lab File ID**	: VE220324A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1619786-2	180008	5.31	131992	8.39	68168	9.89
Upper Limit	360016	5.81	263984	8.89	136336	10.39
Lower Limit	90004	4.81	65996	7.89	34084	9.39
Sample ID						
WG1619786-3 LCS	180008	5.31	131992	8.39	68168	9.89
WG1619786-4 LCSD	184149	5.31	135986	8.39	73040	9.89
WG1619786-5 BLANK	165111	5.31	129093	8.39	64054	9.89
MW-13	168732	5.31	129323	8.39	68156	9.89
MW-17	169442	5.31	132610	8.39	71229	9.89

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Instrument ID	: VOA105	**Analysis Date**	: 03/24/22 07:04:00
Sample No	: WG1619815-2	**Lab File ID**	: V05220324A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1619815-2	325636	5.86	250615	9.37	144196	12.11
Upper Limit	651272	6.36	501230	9.87	288392	12.61
Lower Limit	162818	5.36	125308	8.87	72098	11.61
Sample ID						
WG1619815-3 LCS	325636	5.86	250615	9.37	144196	12.11
WG1619815-4 LCSD	326248	5.86	248458	9.37	141148	12.11
WG1619815-5 BLANK	302129	5.86	237888	9.37	129854	12.11
TRIP BLANK	296193	5.86	234299	9.37	128279	12.11

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Instrument ID	: ELAINE	**Analysis Date**	: 03/29/22 06:50:00
Sample No	: WG1621241-2	**Lab File ID**	: VE220329A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1621241-2	198954	5.31	145633	8.39	74897	9.89
Upper Limit	397908	5.81	291266	8.89	149794	10.39
Lower Limit	99477	4.81	72817	7.89	37449	9.39
Sample ID						
WG1621241-3 LCS	198954	5.31	145633	8.39	74897	9.89
WG1621241-4 LCSD	197023	5.31	147528	8.39	77180	9.89
WG1621241-5 BLANK	179498	5.31	135915	8.39	68923	9.89
MLW (15-20)	170043	5.31	133555	8.39	71518	9.89

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

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Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.210	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.240	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.200	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.430	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.220	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,3,5-Trichlorobenzene	108-70-3	2	0.141	ug/l	70-130	20	70-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
Methyl Acetate	79-20-9	10	0.234	ug/l	70-130	20	70-130	20	20			
Ethyl Acetate	141-78-6	10	0.716	ug/l	70-130	20	70-130	20	20			
Isopropyl Ether	108-20-3	2	0.425	ug/l	70-130	20	70-130	20	20			
Cyclohexane	110-82-7	10	0.271	ug/l	70-130	20	70-130	20	20			
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.179	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Tertiary-Amyl Methyl Ether	994-05-8	2	0.278	ug/l	66-130	20	66-130	20	20			
1,4-Dioxane	123-91-1	250	60.8	ug/l	56-162	20	56-162	20	20			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	10	0.148	ug/l	70-130	20	70-130	20	20			
Methyl cyclohexane	108-87-2	10	0.396	ug/l	70-130	20	70-130	20	20			
1,4-Diethylbenzene	105-05-5	2	0.392	ug/l	70-130	20	70-130	20	20			
4-Ethyltoluene	622-96-8	2	0.340	ug/l	70-130	20	70-130	20	20			
1,2,4,5-Tetramethylbenzene	95-93-2	2	0.542	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

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File: PM5047-1
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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.140	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.230	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.140	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.560	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	10	4.81	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	2	0.173	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.650	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	100	100	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	4	0.950	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	10	1.21	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	2	0.213	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	10	0.544	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.128	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	2	0.176	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	100	35.1	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	4	0.693	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

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Date Created: 06/19/18
Created By: Jason Hebert
File: PM5048-1
Page: 1

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	250	115	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	50	7.25	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	75	7.00	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	50	11.5	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	50	6.25	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	50	7.00	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	50	13.4	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	25	9.80	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	25	6.35	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	200	34.8	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	50	12.9	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	25	8.35	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	25	5.45	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	50	13.7	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	25	7.90	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	25	7.95	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	200	12.3	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	25	8.30	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	25	8.30	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	50	27.2	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	50	7.05	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	200	46.6	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	100	29.1	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	50	16.8	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	100	22.6	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	50	11.9	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	75	6.85	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	25	6.85	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	100	7.20	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	100	7.40	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	100	8.55	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	100	10.1	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	100	28.0	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	50	14.6	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	50	8.75	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
Dibromomethane	74-95-3	100	11.9	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	500	11.3	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	100	6.35	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	50	9.80	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	500	45.8	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	500	241	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	500	228	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	500	111	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	500	108	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	500	64.0	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	500	59.0	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	500	79.0	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	200	57.5	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	100	10.3	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	200	79.5	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	100	10.1	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	50	14.0	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	100	8.35	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	25	6.60	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	100	7.25	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	50	8.35	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	50	7.30	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	100	5.90	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	100	8.65	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	100	9.55	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	100	5.40	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	150	49.9	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	200	8.45	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	50	5.45	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	50	5.45	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	200	32.5	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	50	8.55	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	100	16.1	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	100	13.6	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	100	9.65	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	100	16.7	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	250	71.0	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	5000	5000	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	100	17.1	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	200	47.5	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	500	60.5	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	100	10.7	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	500	27.2	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	100	6.40	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	100	8.80	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	5000	1755	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	200	34.7	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-01	**Date Collected**	: 03/16/22 14:55
Client ID	: MW-10	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 15:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A17	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-01	**Date Collected**	: 03/16/22 14:55
Client ID	: MW-10	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 15:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A17	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	0.30	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: L2214084-01	Date Collected	: 03/16/22 14:55
Client ID	: MW-10	Date Received	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	Date Analyzed	: 03/23/22 15:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KJD
Lab File ID	: V22220323A17	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-01	**Date Collected**	: 03/16/22 14:55
Client ID	: MW-10	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 15:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A17	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-02	**Date Collected**	: 03/16/22 10:55
Client ID	: MW-12	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 16:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A18	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	2.0	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-02	**Date Collected**	: 03/16/22 10:55
Client ID	: MW-12	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 16:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A18	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	0.67	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.87	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.0	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	1.0	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: L2214084-02	Date Collected	: 03/16/22 10:55
Client ID	: MW-12	Date Received	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	Date Analyzed	: 03/23/22 16:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KJD
Lab File ID	: V22220323A18	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-02	**Date Collected**	: 03/16/22 10:55
Client ID	: MW-12	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 16:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A18	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: L2214084-03	Date Collected	: 03/16/22 11:35
Client ID	: MW-13	Date Received	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	Date Analyzed	: 03/24/22 11:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220324A15	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	3.7	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	1.2	0.50	0.16	
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-03	**Date Collected**	: 03/16/22 11:35
Client ID	: MW-13	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/24/22 11:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220324A15	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	0.79	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	3.0	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	2.6	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	2.6	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: L2214084-03	Date Collected	: 03/16/22 11:35
Client ID	: MW-13	Date Received	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	Date Analyzed	: 03/24/22 11:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220324A15	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-03	**Date Collected**	: 03/16/22 11:35
Client ID	: MW-13	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/24/22 11:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220324A15	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	1.0	2.0	0.54	J
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-04	**Date Collected**	: 03/16/22 12:20
Client ID	: MW-14	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 17:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A20	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	9.5	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	0.23	0.50	0.16	J
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-04	**Date Collected**	: 03/16/22 12:20
Client ID	: MW-14	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 17:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A20	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	37	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.20	0.50	0.17	J
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	4.4	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	140	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	140	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: L2214084-04	Date Collected	: 03/16/22 12:20
Client ID	: MW-14	Date Received	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	Date Analyzed	: 03/23/22 17:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KJD
Lab File ID	: V22220323A20	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-04	**Date Collected**	: 03/16/22 12:20
Client ID	: MW-14	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 17:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A20	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-05	**Date Collected**	: 03/16/22 13:40
Client ID	: MW-15	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 17:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A21	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	1.5	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-05	**Date Collected**	: 03/16/22 13:40
Client ID	: MW-15	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 17:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A21	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	0.92	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	1.8	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	3.0	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	3.0	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: L2214084-05	Date Collected	: 03/16/22 13:40
Client ID	: MW-15	Date Received	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	Date Analyzed	: 03/23/22 17:35
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KJD
Lab File ID	: V22220323A21	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-05	**Date Collected**	: 03/16/22 13:40
Client ID	: MW-15	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 17:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A21	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: L2214084-06	Date Collected	: 03/16/22 14:15
Client ID	: MW-17	Date Received	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	Date Analyzed	: 03/24/22 12:06
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220324A16	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	1.3	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: L2214084-06	Date Collected	: 03/16/22 14:15
Client ID	: MW-17	Date Received	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	Date Analyzed	: 03/24/22 12:06
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220324A16	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	0.16	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.81	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	5.6	5.0	1.5	
75-15-0	Carbon disulfide	1.8	5.0	1.0	J
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: L2214084-06	Date Collected	: 03/16/22 14:15
Client ID	: MW-17	Date Received	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	Date Analyzed	: 03/24/22 12:06
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220324A16	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	1.1	2.5	0.70	J
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-06	**Date Collected**	: 03/16/22 14:15
Client ID	: MW-17	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/24/22 12:06
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220324A16	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	3.0	2.0	0.54	
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-07	**Date Collected**	: 03/16/22 12:45
Client ID	: MLW (15-20)	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/29/22 08:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220329A07	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-07	**Date Collected**	: 03/16/22 12:45
Client ID	: MLW (15-20)	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/29/22 08:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220329A07	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	44	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.18	0.50	0.17	J
156-60-5	trans-1,2-Dichloroethene	1.8	2.5	0.70	J
79-01-6	Trichloroethene	0.99	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	68	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	70	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: L2214084-07	Date Collected	: 03/16/22 12:45
Client ID	: MLW (15-20)	Date Received	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	Date Analyzed	: 03/29/22 08:51
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220329A07	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	0.76	2.5	0.70	J
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-07	**Date Collected**	: 03/16/22 12:45
Client ID	: MLW (15-20)	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/29/22 08:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220329A07	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	2.5	2.0	0.54	
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: L2214084-08	Date Collected	: 03/16/22 13:20
Client ID	: MLW (35-40)	Date Received	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	Date Analyzed	: 03/23/22 18:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KJD
Lab File ID	: V22220323A24	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.24	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-08	**Date Collected**	: 03/16/22 13:20
Client ID	: MLW (35-40)	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 18:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A24	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.4	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	1.4	2.5	0.70	J
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: L2214084-08	Date Collected	: 03/16/22 13:20
Client ID	: MLW (35-40)	Date Received	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	Date Analyzed	: 03/23/22 18:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KJD
Lab File ID	: V22220323A24	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-08	**Date Collected**	: 03/16/22 13:20
Client ID	: MLW (35-40)	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 18:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A24	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-09	**Date Collected**	: 03/15/22 00:00
Client ID	: TRIP BLANK	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/24/22 08:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V05220324A06	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-09	**Date Collected**	: 03/15/22 00:00
Client ID	: TRIP BLANK	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/24/22 08:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V05220324A06	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-09	**Date Collected**	: 03/15/22 00:00
Client ID	: TRIP BLANK	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/24/22 08:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V05220324A06	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-09	**Date Collected**	: 03/15/22 00:00
Client ID	: TRIP BLANK	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/24/22 08:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V05220324A06	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: L2214084-10	Date Collected	: 03/16/22 00:00
Client ID	: DUPE	Date Received	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	Date Analyzed	: 03/23/22 19:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KJD
Lab File ID	: V22220323A25	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	9.2	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	0.21	0.50	0.16	J
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-10	**Date Collected**	: 03/16/22 00:00
Client ID	: DUPE	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 19:13
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A25	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	35	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.18	0.50	0.17	J
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	4.3	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	120	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	120	2.5	0.70	
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: L2214084-10	Date Collected	: 03/16/22 00:00
Client ID	: DUPE	Date Received	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	Date Analyzed	: 03/23/22 19:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: KJD
Lab File ID	: V22220323A25	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-10	**Date Collected**	: 03/16/22 00:00
Client ID	: DUPE	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 19:13
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A25	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: WG1619277-5	Date Collected	: NA
Client ID	: WG1619277-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/23/22 11:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220323A05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: WG1619277-5	**Date Collected**	: NA
Client ID	: WG1619277-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/23/22 11:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V22220323A05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: WG1619277-5	Date Collected	: NA
Client ID	: WG1619277-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/23/22 11:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220323A05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: WG1619277-5	**Date Collected**	: NA
Client ID	: WG1619277-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/23/22 11:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V22220323A05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: WG1619786-5	Date Collected	: NA
Client ID	: WG1619786-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/24/22 08:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220324A05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: WG1619786-5	**Date Collected**	: NA
Client ID	: WG1619786-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/24/22 08:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220324A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: WG1619786-5	Date Collected	: NA
Client ID	: WG1619786-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/24/22 08:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220324A05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: WG1619786-5	**Date Collected**	: NA
Client ID	: WG1619786-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/24/22 08:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220324A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: WG1619815-5	Date Collected	: NA
Client ID	: WG1619815-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/24/22 08:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V05220324A05	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: WG1619815-5	**Date Collected**	: NA
Client ID	: WG1619815-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/24/22 08:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V05220324A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: WG1619815-5	Date Collected	: NA
Client ID	: WG1619815-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/24/22 08:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V05220324A05	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: WG1619815-5	**Date Collected**	: NA
Client ID	: WG1619815-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/24/22 08:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V05220324A05	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: WG1621241-5	**Date Collected**	: NA
Client ID	: WG1621241-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/29/22 08:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220329A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: WG1621241-5	Date Collected	: NA
Client ID	: WG1621241-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/29/22 08:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220329A05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	Project Number	: CIR2201
Lab ID	: WG1621241-5	Date Collected	: NA
Client ID	: WG1621241-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/29/22 08:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: VE220329A05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: WG1621241-5	**Date Collected**	: NA
Client ID	: WG1621241-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/29/22 08:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: VE220329A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A17.D
Acq On : 23 Mar 2022 03:57 pm
Operator : VOA122:KJD
Sample : L2214084-01,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 23 19:25:17 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.602	96	142474	10.000	ug/L	0.00
Standard Area 1 = 208471			Recovery = 68.34%			
62) Chlorobenzene-d5	9.107	117	140842	10.000	ug/L	0.00
Standard Area 1 = 173941			Recovery = 80.97%			
83) 1,4-Dichlorobenzene-d4	11.908	152	83742	10.000	ug/L	0.00
Standard Area 1 = 105828			Recovery = 79.13%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.802	113	55933	12.424	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 124.24%			
46) 1,2-Dichloroethane-d4	5.321	65	51278	11.612	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 116.12%			
63) Toluene-d8	7.276	98	162882	9.378	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.78%			
87) 4-Bromofluorobenzene	10.654	95	63020	8.333	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 83.33%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	1.679	62	1085	0.296	ug/L #	1
5) Bromomethane	1.958	94	150	0.105	ug/L #	47
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D. d		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.213	43	371	Below Cal	#	46
18) trans-1,2-Dichloroethene	3.317	96	65	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.377	96	1272	0.347	ug/L #	73
31) 2,2-Dichloropropane	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A17.D
Acq On : 23 Mar 2022 03:57 pm
Operator : VOA122:KJD
Sample : L2214084-01,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 23 19:25:17 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	0.000		0	N.D.		
42) 1,1-Dichloropropene	0.000		0	N.D.		
44) Benzene	0.000		0	N.D.		
47) 1,2-Dichloroethane	0.000		0	N.D.		
51) Trichloroethene	5.772	95	429	0.139	ug/L	84
53) Dibromomethane	0.000		0	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	0.000		0	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	0.000		0	N.D.	d	
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
73) 1,3-Dichloropropane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	9.099	91	85	N.D.		
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
80) p/m Xylene	0.000		0	N.D.		
81) o Xylene	0.000		0	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	0.000		0	N.D.		
88) Bromobenzene	0.000		0	N.D.		
89) n-Propylbenzene	10.654	91	122	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
92) 4-Ethyltoluene	0.000		0	N.D.		
93) 2-Chlorotoluene	0.000		0	N.D.		
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
95) 1,2,3-Trichloropropane	0.000		0	N.D.		
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
97) 4-Chlorotoluene	0.000		0	N.D.		
98) tert-Butylbenzene	11.421	119	773	N.D.		

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A17.D
Acq On : 23 Mar 2022 03:57 pm
Operator : VOA122:KJD
Sample : L2214084-01,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 23 19:25:17 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	0.000		0	N.D.	d	
102) sec-Butylbenzene	11.616	105	2766	0.129	ug/L #	68
103) p-Isopropyltoluene	0.000		0	N.D.		
104) 1,3-Dichlorobenzene	11.922	146	315	N.D.		
105) 1,4-Dichlorobenzene	11.922	146	315	N.D.		
106) p-Diethylbenzene	0.000		0	N.D.	d	
107) n-Butylbenzene	12.319	91	142	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
109) 1,2,4,5-Tetramethylben...	12.966	119	2442	0.155	ug/L #	95
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
112) Hexachlorobutadiene	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
114) Naphthalene	14.094	128	1956	0.164	ug/L	100
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

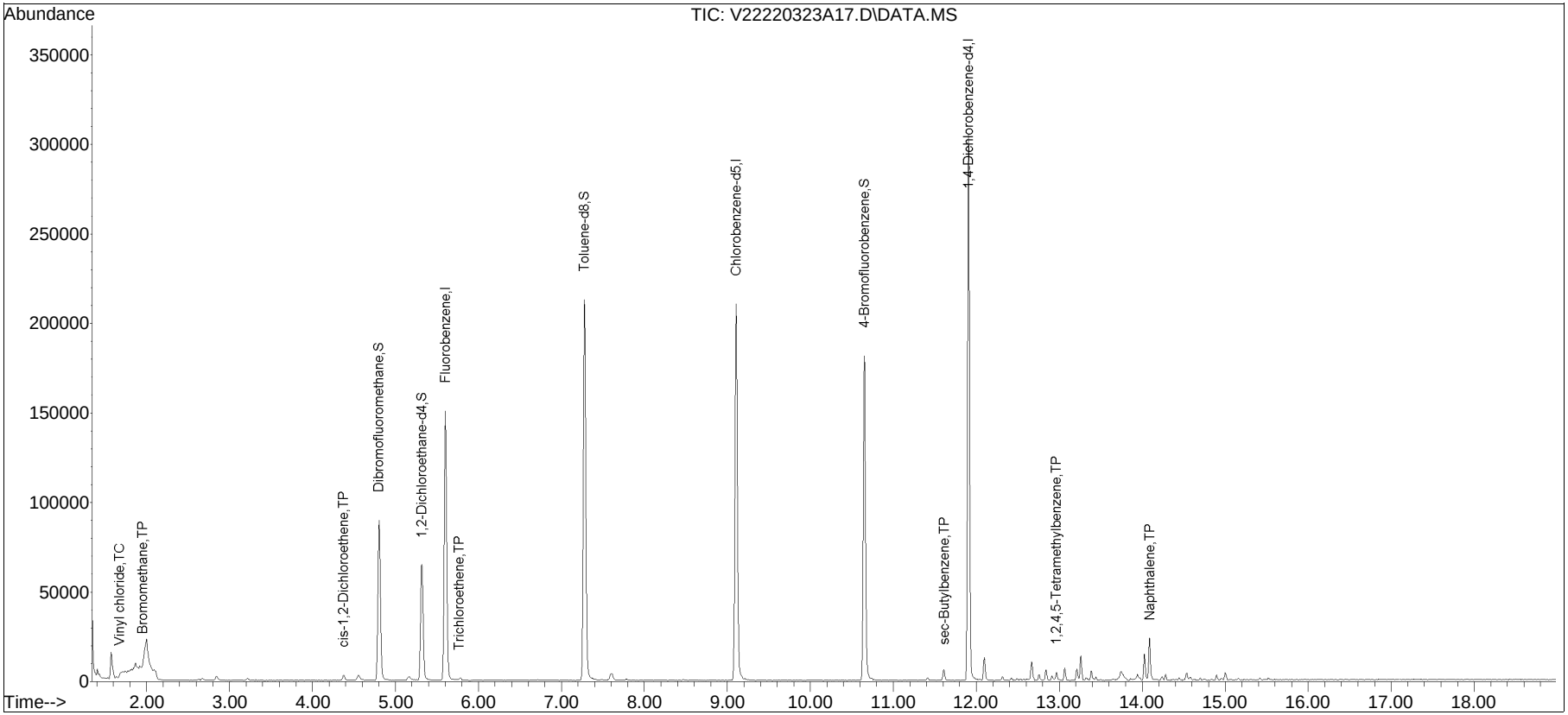
(#) = qualifier out of range (m) = manual integration (+) = signals summed

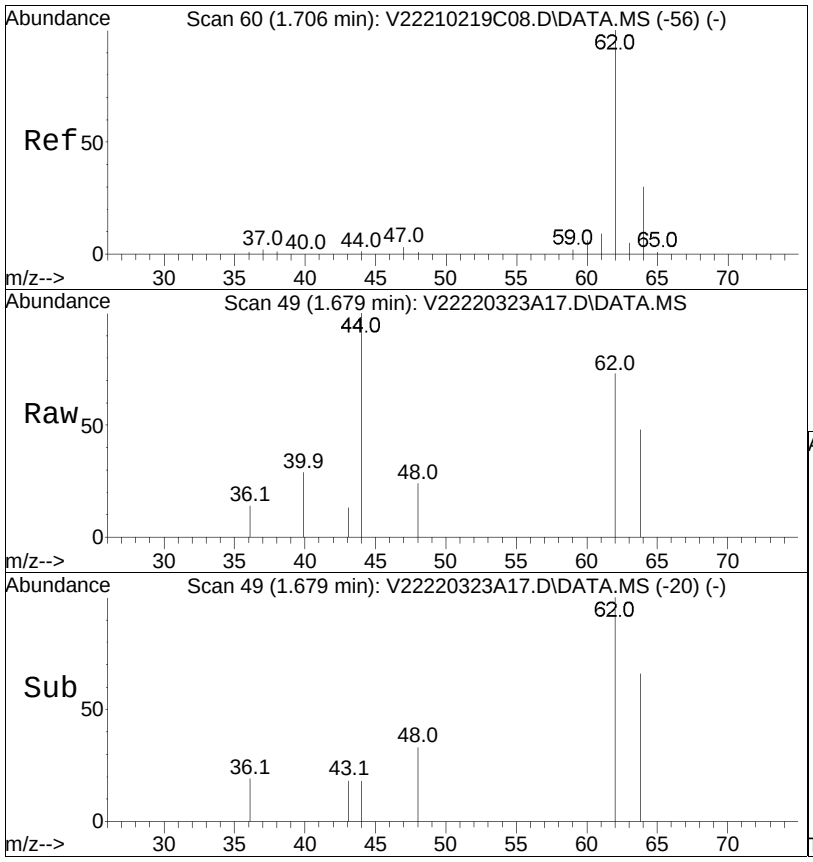
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A17.D
Acq On : 23 Mar 2022 03:57 pm
Operator : VOA122:KJD
Sample : L2214084-01,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 23 19:25:17 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20323A\\V22220323A01.D•

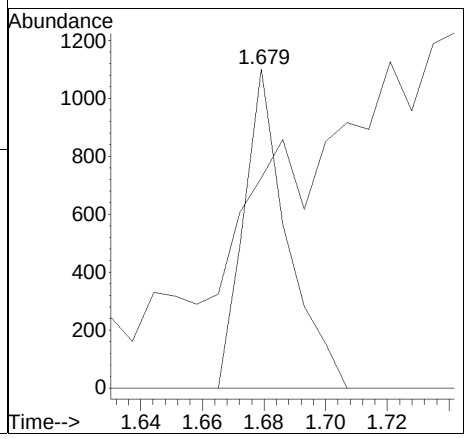


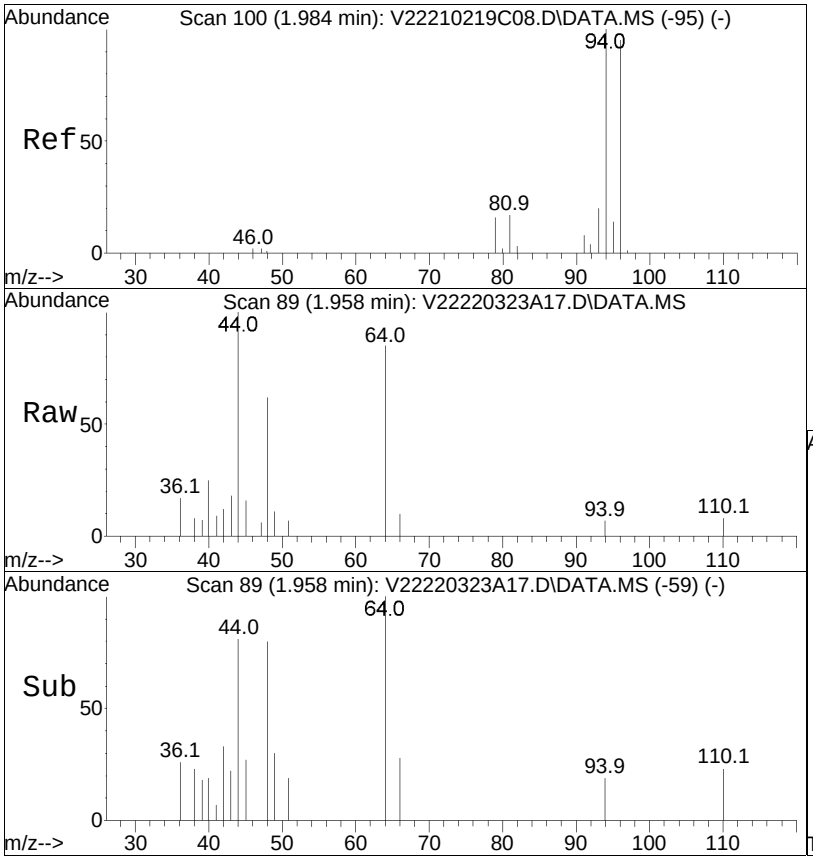


#4
Vinyl chloride
Concen: 0.30 ug/L
RT: 1.679 min Scan# 49
Delta R.T. 0.000 min
Lab File: V22220323A17.D
Acq: 23 Mar 2022 03:57 pm

Tgt Ion: 62 Resp: 1085

Ion	Ratio	Lower	Upper
62	100		
64	107.0	12.0	52.0#

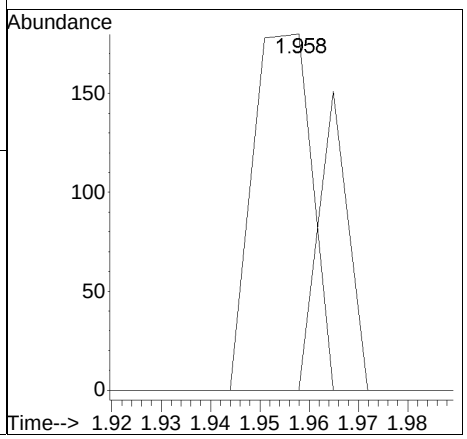


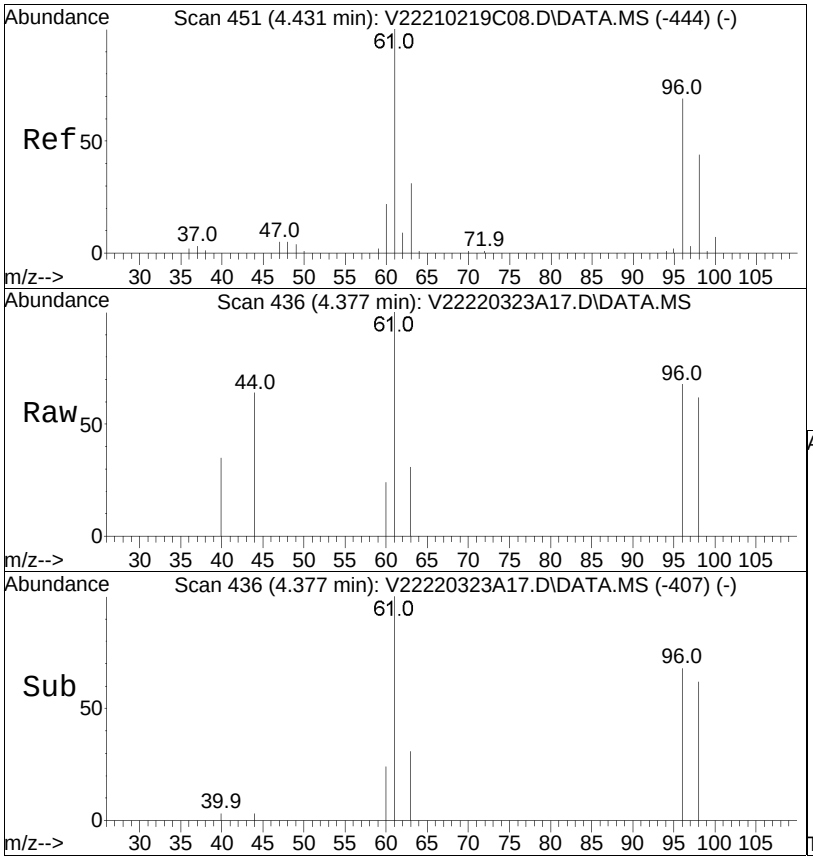


#5
Bromomethane
Concen: 0.10 ug/L
RT: 1.958 min Scan# 89
Delta R.T. 0.007 min
Lab File: V22220323A17.D
Acq: 23 Mar 2022 03:57 pm

Tgt Ion: 94 Resp: 150

Ion	Ratio	Lower	Upper
94	100		
96	42.0	72.8	112.8#

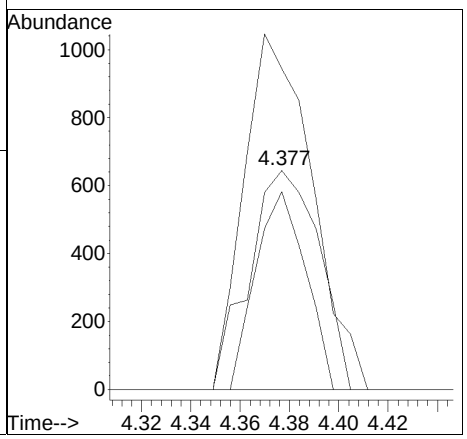


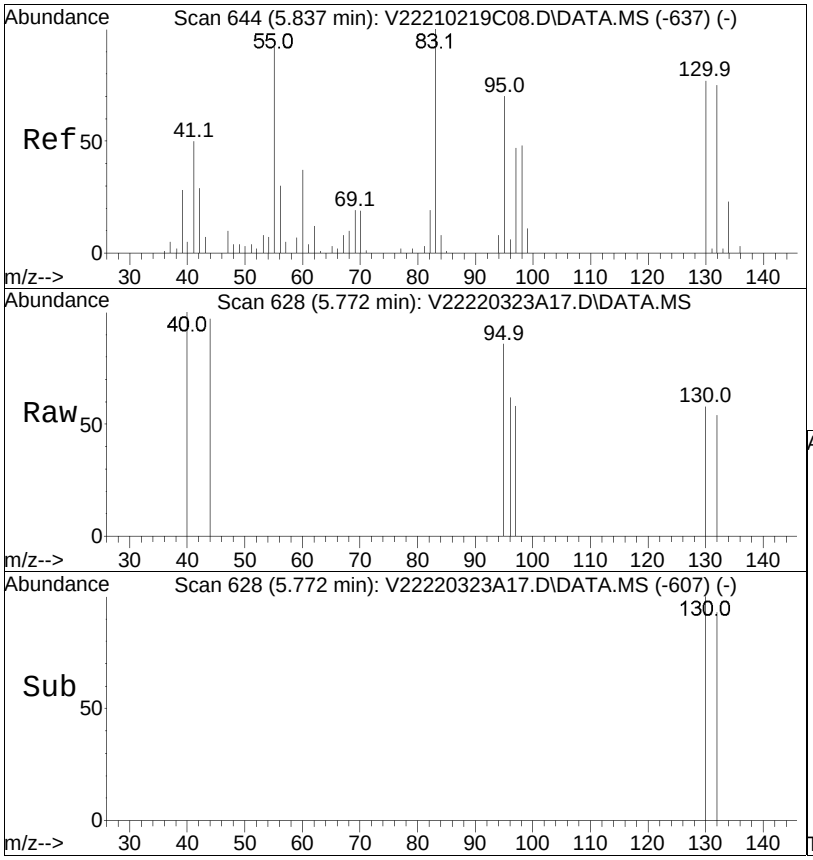


#30
cis-1,2-Dichloroethene
Concen: 0.35 ug/L
RT: 4.377 min Scan# 436
Delta R.T. -0.000 min
Lab File: V22220323A17.D
Acq: 23 Mar 2022 03:57 pm

Tgt Ion: 96 Resp: 1272

Ion	Ratio	Lower	Upper
96	100		
61	157.3	90.3	135.5#
98	64.5	50.8	76.2

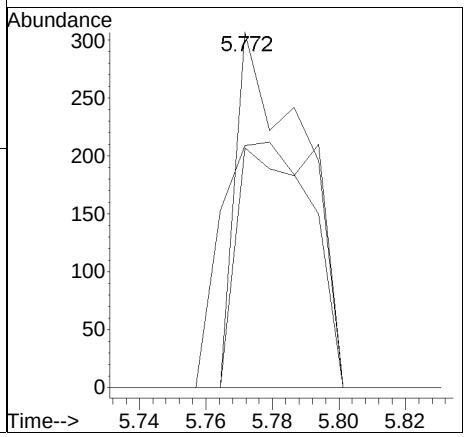


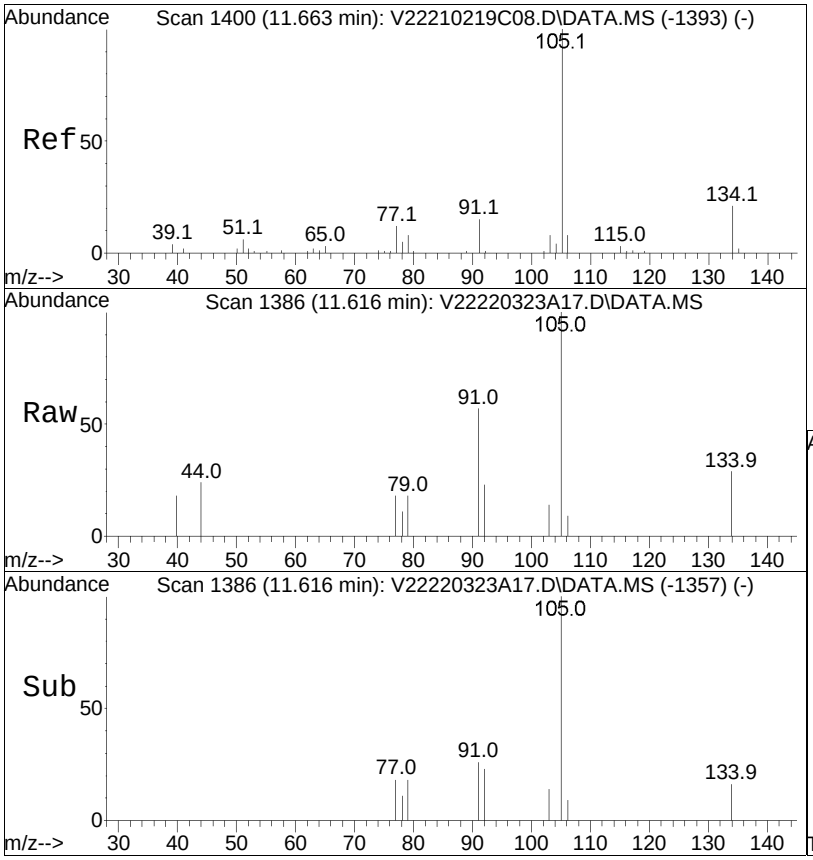


#51
Trichloroethene
Concen: 0.14 ug/L
RT: 5.772 min Scan# 628
Delta R.T. -0.007 min
Lab File: V22220323A17.D
Acq: 23 Mar 2022 03:57 pm

Tgt Ion: 95 Resp: 429

Ion	Ratio	Lower	Upper
95	100		
97	81.6	55.0	82.4
130	93.7	89.2	133.8

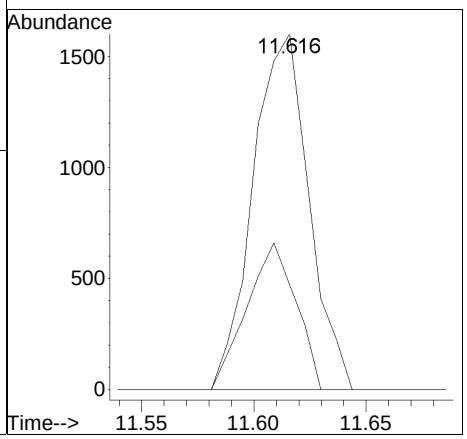


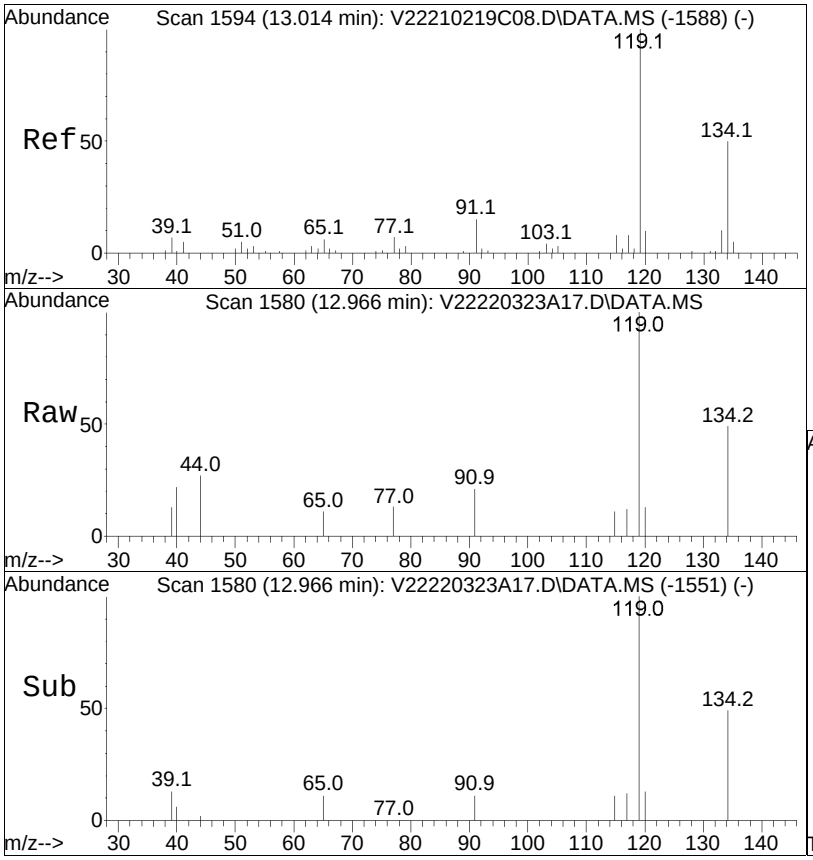


#102
sec-Butylbenzene
Concen: 0.13 ug/L
RT: 11.616 min Scan# 1386
Delta R.T. 0.007 min
Lab File: V22220323A17.D
Acq: 23 Mar 2022 03:57 pm

Tgt Ion:105 Resp: 2766

Ion	Ratio	Lower	Upper
105	100		
134	36.3	13.9	28.9#

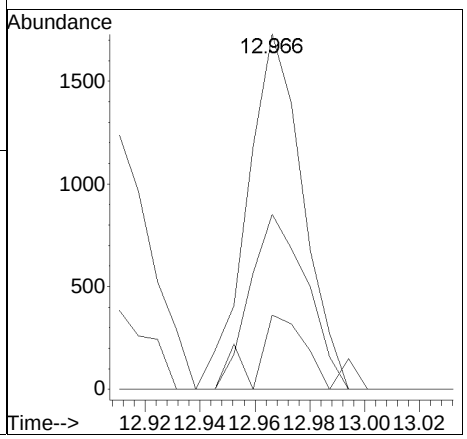


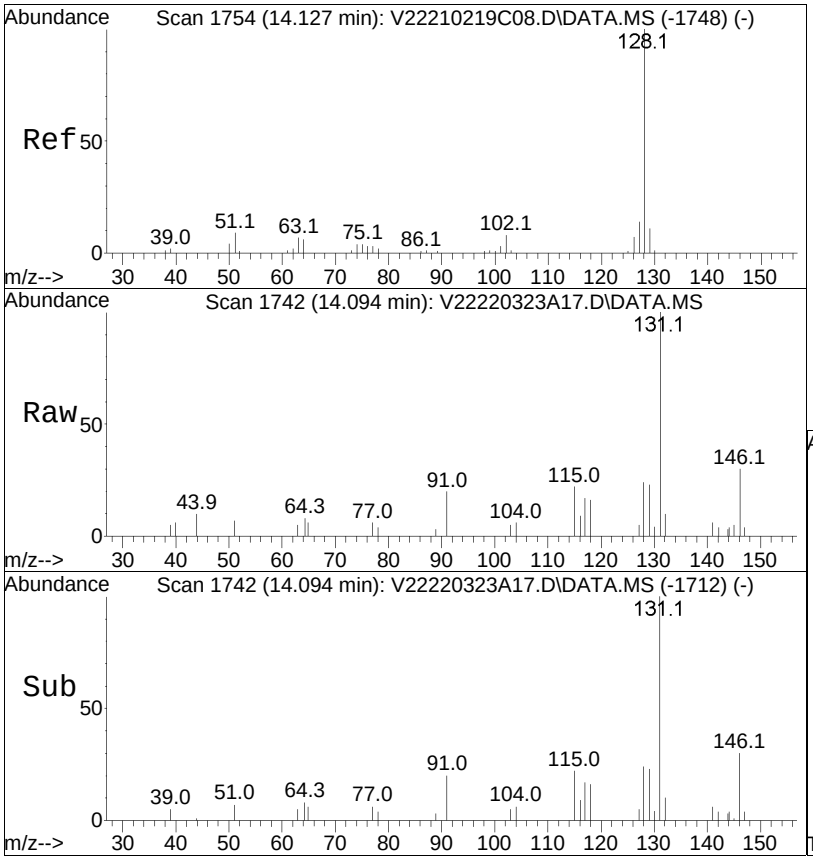


#109
1,2,4,5-Tetramethylbenzene
Concen: 0.15 ug/L
RT: 12.966 min Scan# 1580
Delta R.T. 0.000 min
Lab File: V22220323A17.D
Acq: 23 Mar 2022 03:57 pm

Tgt Ion:119 Resp: 2442

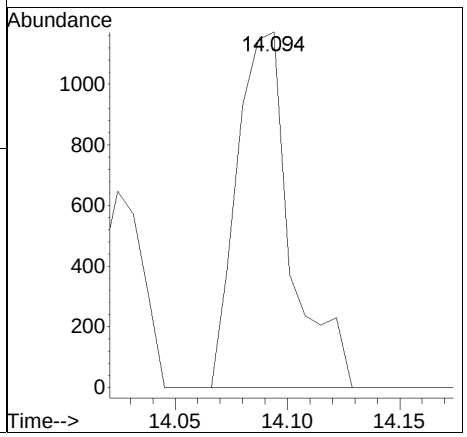
Ion	Ratio	Lower	Upper
119	100		
134	50.1	31.9	66.1
91	21.2	9.8	20.3#





#114
Naphthalene
Concen: 0.16 ug/L
RT: 14.094 min Scan# 1742
Delta R.T. 0.007 min
Lab File: V22220323A17.D
Acq: 23 Mar 2022 03:57 pm

Tgt Ion:128 Resp: 1956



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2	QMethod	: V122_220128N_8260D.m
Data File	: V22220323A17.D	Operator	: VOA122:KJD
Date Inj'd	: 3/23/2022 3:57 pm	Instrument	: VOA122
Sample	: L2214084-01,31,10,10,,A	Quant Date	: 3/23/2022 6:18 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A18.D
Acq On : 23 Mar 2022 04:21 pm
Operator : VOA122:KJD
Sample : L2214084-02,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 23 19:25:39 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.602	96	144282	10.000	ug/L	0.00
Standard Area 1 = 208471			Recovery = 69.21%			
62) Chlorobenzene-d5	9.107	117	142748	10.000	ug/L	0.00
Standard Area 1 = 173941			Recovery = 82.07%			
83) 1,4-Dichlorobenzene-d4	11.909	152	83128	10.000	ug/L	0.00
Standard Area 1 = 105828			Recovery = 78.55%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.802	113	56365	12.363	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 123.63%			
46) 1,2-Dichloroethane-d4	5.314	65	51645	11.549	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 115.49%			
63) Toluene-d8	7.276	98	166779	9.474	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.74%			
87) 4-Bromofluorobenzene	10.654	95	61767	8.228	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 82.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	1.679	62	2472	0.666	ug/L	71
5) Bromomethane	1.951	94	73	N.D.		
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D. d		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.206	43	621	Below Cal #		46
18) trans-1,2-Dichloroethene	3.317	96	199	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.377	96	3796	1.023	ug/L #	84
31) 2,2-Dichloropropane	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A18.D
Acq On : 23 Mar 2022 04:21 pm
Operator : VOA122:KJD
Sample : L2214084-02,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 23 19:25:39 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	0.000		0	N.D.		
42) 1,1-Dichloropropene	0.000		0	N.D.		
44) Benzene	0.000		0	N.D.		
47) 1,2-Dichloroethane	0.000		0	N.D.		
51) Trichloroethene	5.779	95	2715	0.871	ug/L	94
53) Dibromomethane	0.000		0	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	0.000		0	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	7.777	166	8756	2.011	ug/L	92
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
73) 1,3-Dichloropropane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	9.107	91	72	N.D.		
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
80) p/m Xylene	0.000		0	N.D.		
81) o Xylene	0.000		0	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	0.000		0	N.D.		
88) Bromobenzene	0.000		0	N.D.		
89) n-Propylbenzene	10.646	91	103	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
92) 4-Ethyltoluene	0.000		0	N.D.		
93) 2-Chlorotoluene	0.000		0	N.D.		
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
95) 1,2,3-Trichloropropane	0.000		0	N.D.		
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
97) 4-Chlorotoluene	0.000		0	N.D.		
98) tert-Butylbenzene	11.422	119	438	N.D.		

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A18.D
Acq On : 23 Mar 2022 04:21 pm
Operator : VOA122:KJD
Sample : L2214084-02,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 23 19:25:39 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101)	1,2,4-Trimethylbenzene	11.617	105	114		N.D.	
102)	sec-Butylbenzene	11.617	105	114		N.D.	
103)	p-Isopropyltoluene	0.000		0		N.D.	
104)	1,3-Dichlorobenzene	11.916	146	70		N.D.	
105)	1,4-Dichlorobenzene	11.916	146	70		N.D.	
106)	p-Diethylbenzene	0.000		0		N.D.	
107)	n-Butylbenzene	0.000		0		N.D.	
108)	1,2-Dichlorobenzene	0.000		0		N.D.	
109)	1,2,4,5-Tetramethylben...	0.000		0		N.D.	
110)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
112)	Hexachlorobutadiene	0.000		0		N.D.	
113)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
114)	Naphthalene	0.000		0		N.D.	
115)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

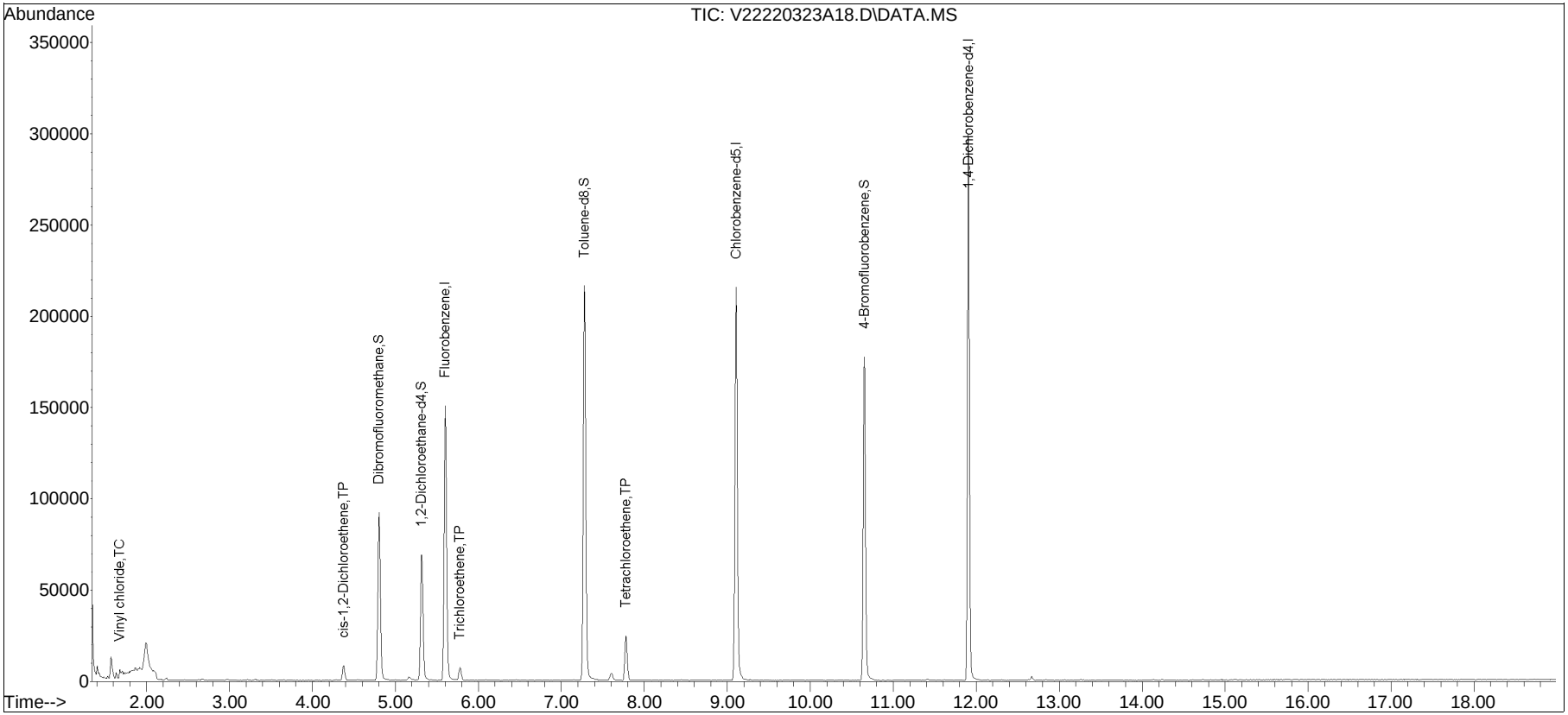
(#) = qualifier out of range (m) = manual integration (+) = signals summed

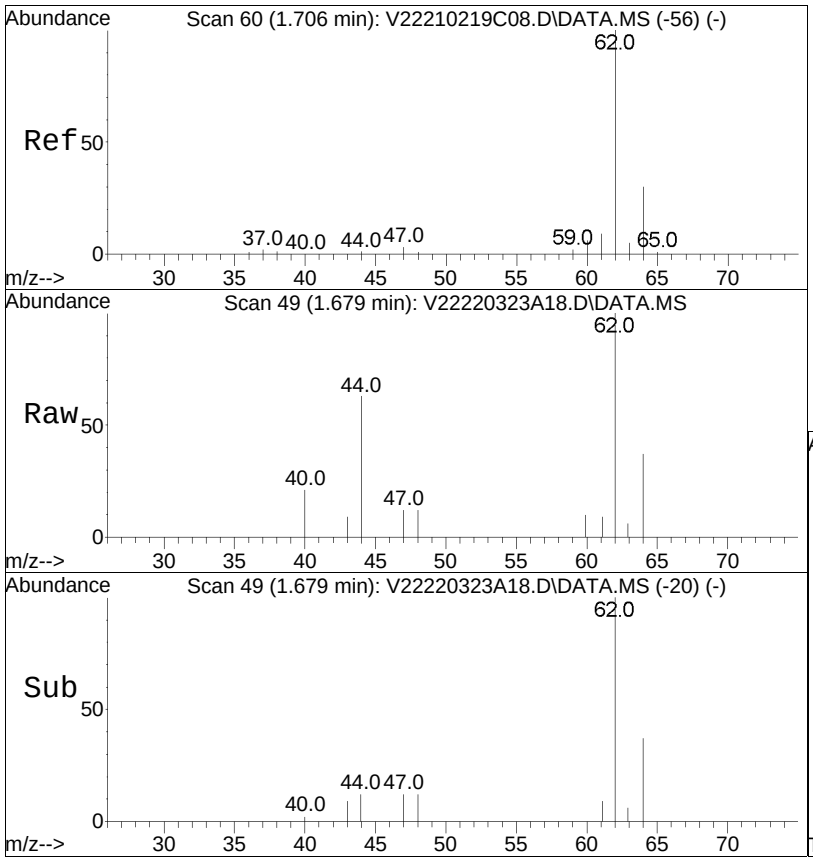
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A18.D
Acq On : 23 Mar 2022 04:21 pm
Operator : VOA122:KJD
Sample : L2214084-02,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 23 19:25:39 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20323A\\V22220323A01.D•

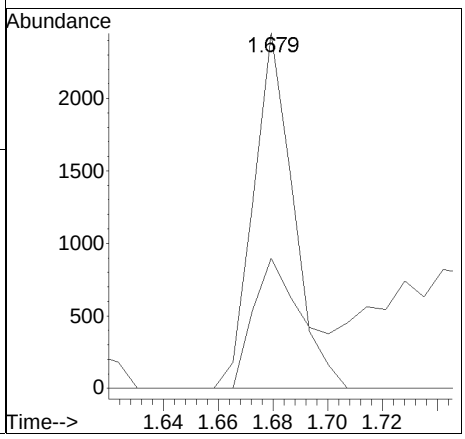


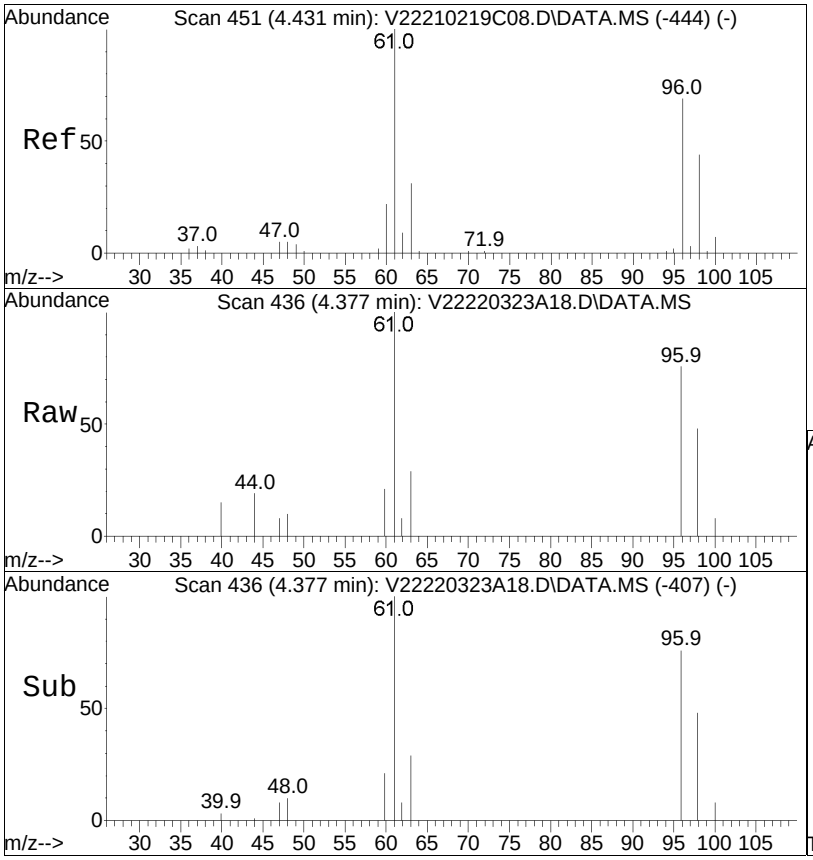


#4
Vinyl chloride
Concen: 0.67 ug/L
RT: 1.679 min Scan# 49
Delta R.T. 0.000 min
Lab File: V22220323A18.D
Acq: 23 Mar 2022 04:21 pm

Tgt Ion: 62 Resp: 2472

Ion	Ratio	Lower	Upper
62	100		
64	48.3	12.0	52.0

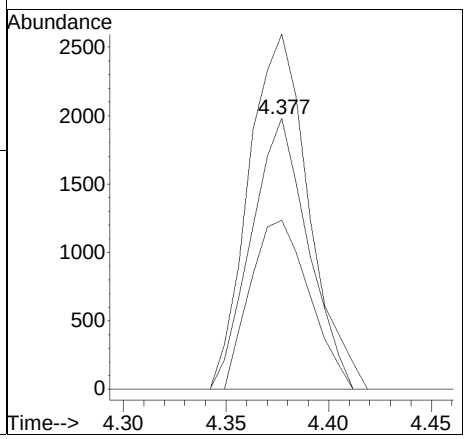


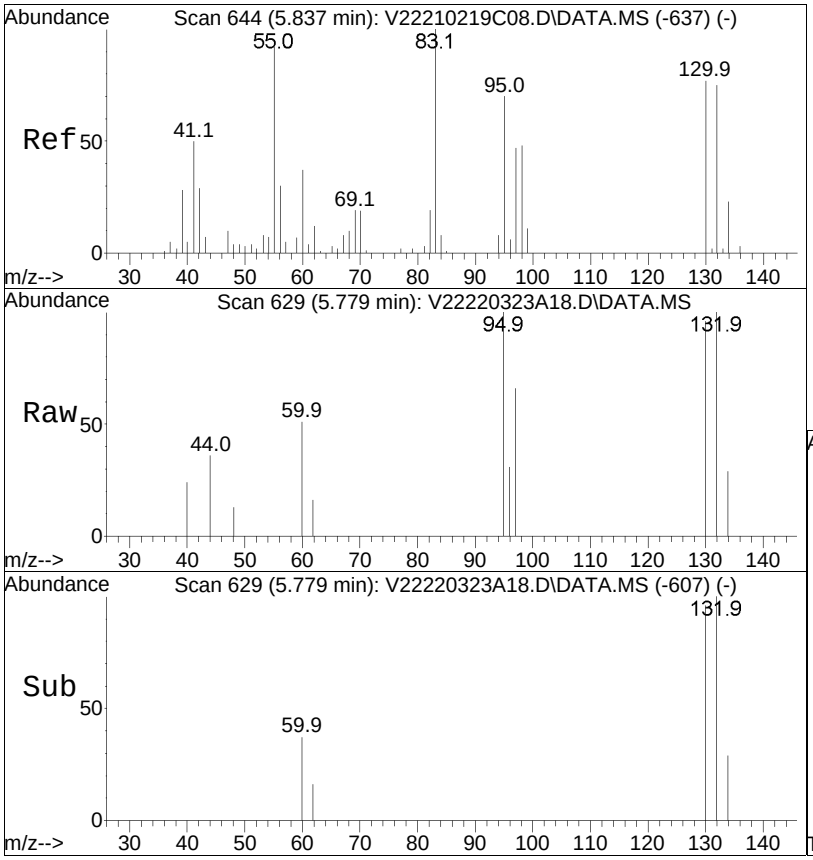


#30
cis-1,2-Dichloroethene
Concen: 1.02 ug/L
RT: 4.377 min Scan# 436
Delta R.T. 0.000 min
Lab File: V22220323A18.D
Acq: 23 Mar 2022 04:21 pm

Tgt Ion: 96 Resp: 3796

Ion	Ratio	Lower	Upper
96	100		
61	139.1	90.3	135.5#
98	65.2	50.8	76.2

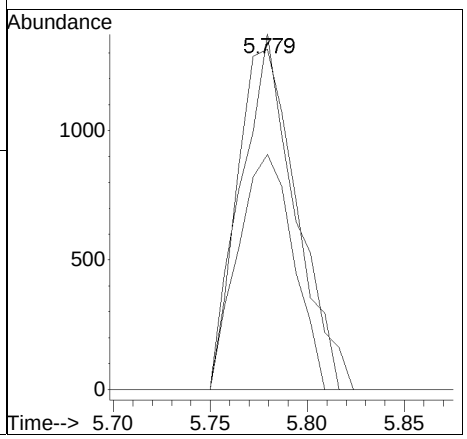


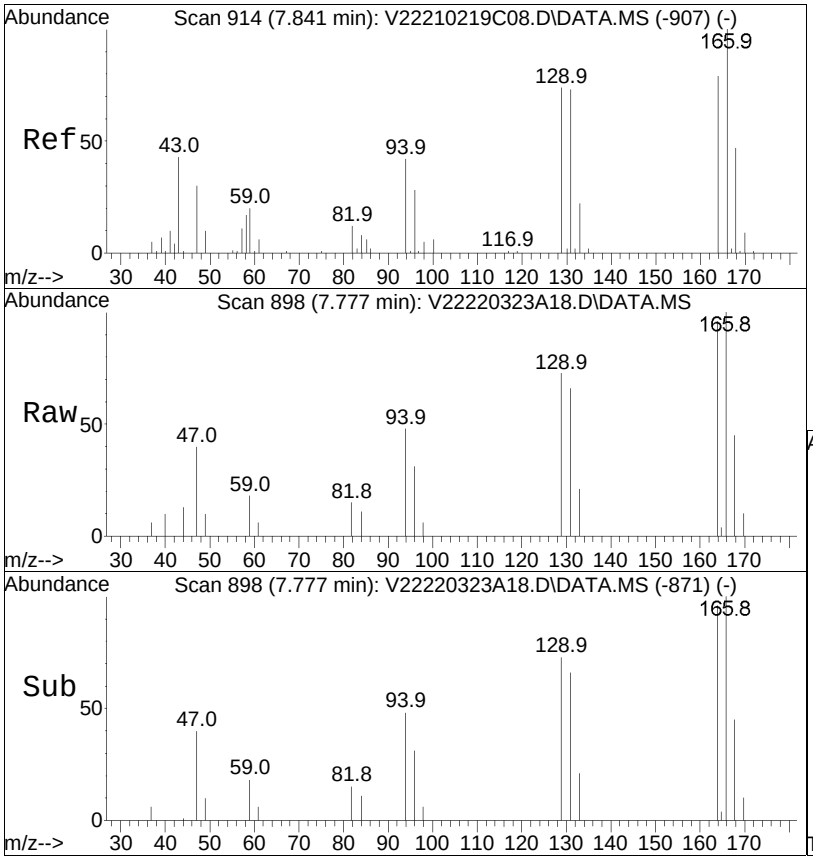


#51
Trichloroethene
Concen: 0.87 ug/L
RT: 5.779 min Scan# 629
Delta R.T. 0.000 min
Lab File: V22220323A18.D
Acq: 23 Mar 2022 04:21 pm

Tgt Ion: 95 Resp: 2715

Ion	Ratio	Lower	Upper
95	100		
97	66.7	55.0	82.4
130	102.2	89.2	133.8

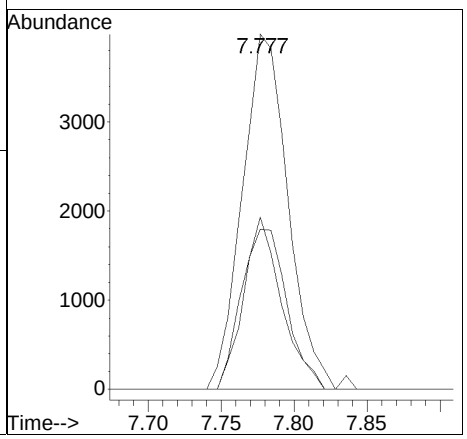




#66
Tetrachloroethene
Concen: 2.01 ug/L
RT: 7.777 min Scan# 898
Delta R.T. -0.000 min
Lab File: V22220323A18.D
Acq: 23 Mar 2022 04:21 pm

Tgt Ion:166 Resp: 8756

Ion	Ratio	Lower	Upper
166	100		
168	42.9	27.8	67.8
94	41.7	16.7	56.7



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2	QMethod	: V122_220128N_8260D.m
Data File	: V22220323A18.D	Operator	: VOA122:KJD
Date Inj'd	: 3/23/2022 4:21 pm	Instrument	: VOA122
Sample	: L2214084-02,31,10,10,,A	Quant Date	: 3/23/2022 6:18 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A20.D
Acq On : 23 Mar 2022 05:11 pm
Operator : VOA122:KJD
Sample : L2214084-04,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 23 19:28:02 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.602	96	170987	10.000	ug/L	0.00
Standard Area 1 = 208471			Recovery = 82.02%			
62) Chlorobenzene-d5	9.107	117	161958	10.000	ug/L	0.00
Standard Area 1 = 173941			Recovery = 93.11%			
83) 1,4-Dichlorobenzene-d4	11.908	152	100140	10.000	ug/L	0.00
Standard Area 1 = 105828			Recovery = 94.63%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.802	113	68148	12.613	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 126.13%			
46) 1,2-Dichloroethane-d4	5.314	65	64339	12.140	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 121.40%			
63) Toluene-d8	7.276	98	187907	9.408	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.08%			
87) 4-Bromofluorobenzene	10.654	95	76347	8.442	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.42%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	1.679	62	162399	36.913	ug/L	95
5) Bromomethane	1.951	94	74	N.D.		
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.648	96	732	0.203	ug/L #	91
11) Carbon disulfide	2.676	76	2547	0.263	ug/L #	90
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.220	43	729	Below Cal	#	46
18) trans-1,2-Dichloroethene	3.317	96	849	0.218	ug/L #	76
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.370	96	597078	135.797	ug/L #	85
31) 2,2-Dichloropropane	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	4.628	83	227	N.D.		

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A20.D
Acq On : 23 Mar 2022 05:11 pm
Operator : VOA122:KJD
Sample : L2214084-04,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 23 19:28:02 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.			
39) 1,1,1-Trichloroethane	0.000		0	N.D.			
41) 2-Butanone	0.000		0	N.D.			
42) 1,1-Dichloropropene	0.000		0	N.D.			
44) Benzene	5.196	78	3018	0.228	ug/L	#	87
47) 1,2-Dichloroethane	0.000		0	N.D.			
51) Trichloroethene	5.779	95	16306	4.414	ug/L		95
53) Dibromomethane	0.000		0	N.D.			
54) 1,2-Dichloropropane	0.000		0	N.D.			
57) Bromodichloromethane	0.000		0	N.D.			
60) 1,4-Dioxane	0.000		0	N.D.			
61) cis-1,3-Dichloropropene	0.000		0	N.D.			
64) Toluene	7.335	92	358	N.D.			
65) 4-Methyl-2-pentanone	0.000		0	N.D.			
66) Tetrachloroethene	7.777	166	46948	9.502	ug/L		95
68) trans-1,3-Dichloropropene	0.000		0	N.D.			
71) 1,1,2-Trichloroethane	0.000		0	N.D.	d		
72) Chlorodibromomethane	0.000		0	N.D.			
73) 1,3-Dichloropropane	0.000		0	N.D.			
74) 1,2-Dibromoethane	0.000		0	N.D.			
76) 2-Hexanone	0.000		0	N.D.			
77) Chlorobenzene	9.115	112	563	N.D.			
78) Ethylbenzene	9.179	91	462	N.D.			
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
80) p/m Xylene	0.000		0	N.D.			
81) o Xylene	9.916	106	426	N.D.			
82) Styrene	0.000		0	N.D.			
84) Bromoform	0.000		0	N.D.			
86) Isopropylbenzene	10.321	105	1843	0.074	ug/L		94
88) Bromobenzene	0.000		0	N.D.			
89) n-Propylbenzene	10.828	91	78	N.D.			
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
92) 4-Ethyltoluene	0.000		0	N.D.			
93) 2-Chlorotoluene	10.828	91	78	N.D.			
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
95) 1,2,3-Trichloropropane	0.000		0	N.D.			
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
97) 4-Chlorotoluene	0.000		0	N.D.			
98) tert-Butylbenzene	11.414	119	4376	0.302	ug/L	#	95

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A20.D
Acq On : 23 Mar 2022 05:11 pm
Operator : VOA122:KJD
Sample : L2214084-04,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 23 19:28:02 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101)	1,2,4-Trimethylbenzene	0.000		0	N.D.	d	
102)	sec-Butylbenzene	11.609	105	4069	0.158	ug/L #	1
103)	p-Isopropyltoluene	0.000		0	N.D.	d	
104)	1,3-Dichlorobenzene	0.000		0	N.D.	d	
105)	1,4-Dichlorobenzene	11.915	146	584	N.D.		
106)	p-Diethylbenzene	0.000		0	N.D.	d	
107)	n-Butylbenzene	0.000		0	N.D.	d	
108)	1,2-Dichlorobenzene	0.000		0	N.D.		
109)	1,2,4,5-Tetramethylben...	0.000		0	N.D.	d	
110)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
112)	Hexachlorobutadiene	0.000		0	N.D.		
113)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
114)	Naphthalene	14.094	128	2209	0.155	ug/L	100
115)	1,2,3-Trichlorobenzene	0.000		0	N.D.	d	

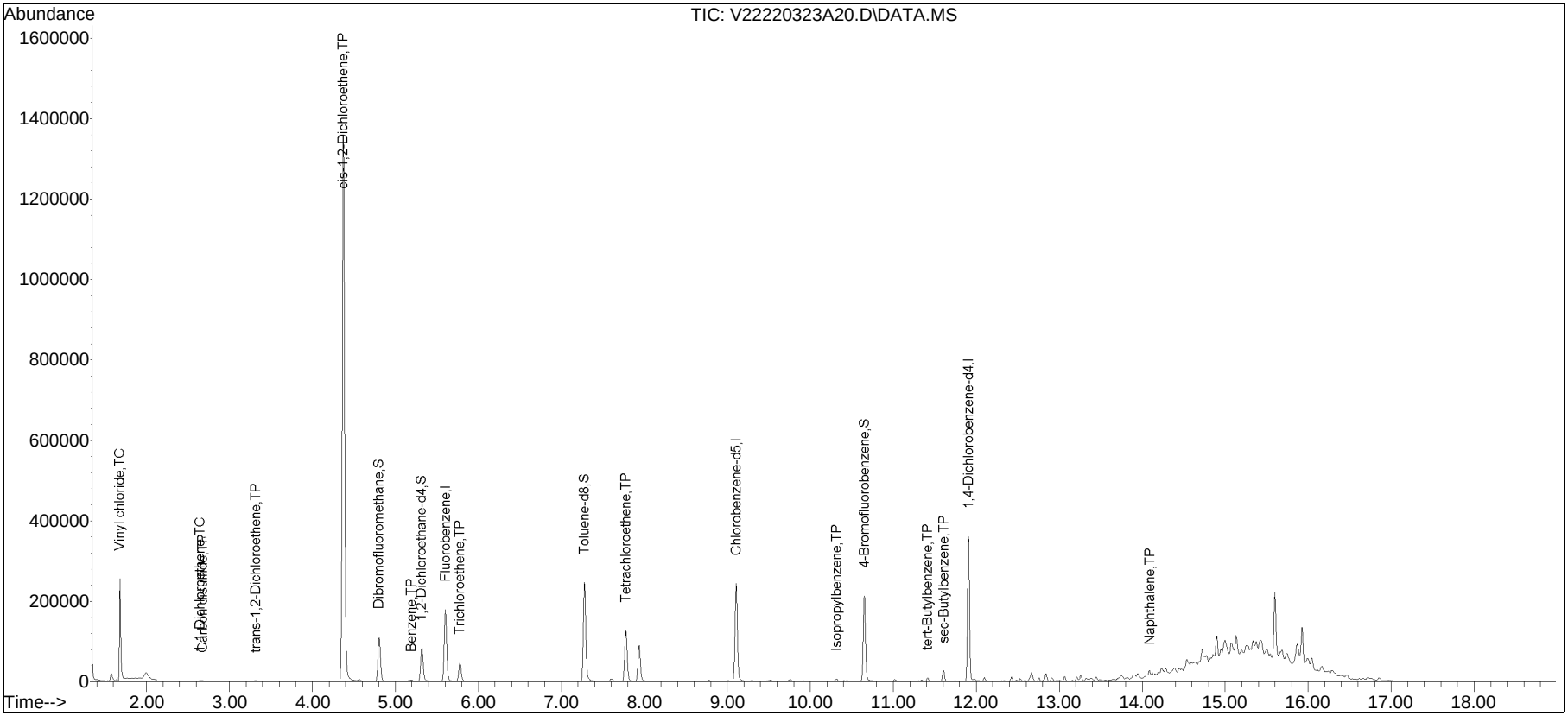
(#) = qualifier out of range (m) = manual integration (+) = signals summed

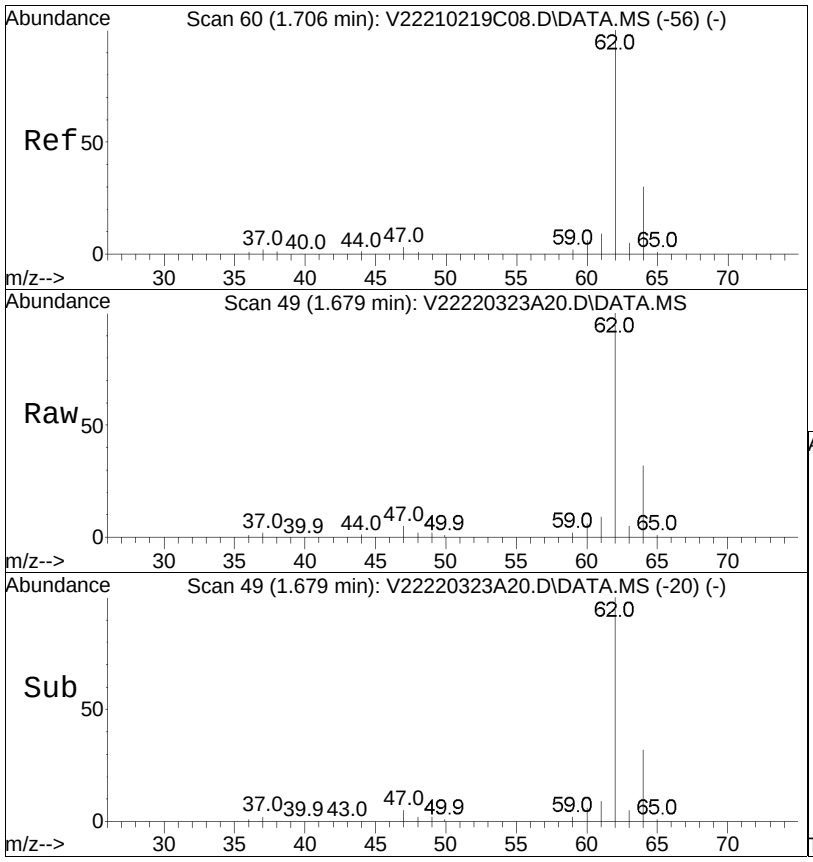
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A20.D
Acq On : 23 Mar 2022 05:11 pm
Operator : VOA122:KJD
Sample : L2214084-04,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 23 19:28:02 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20323A\\V22220323A01.D•

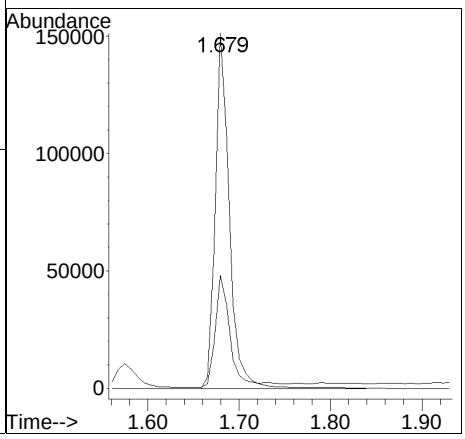


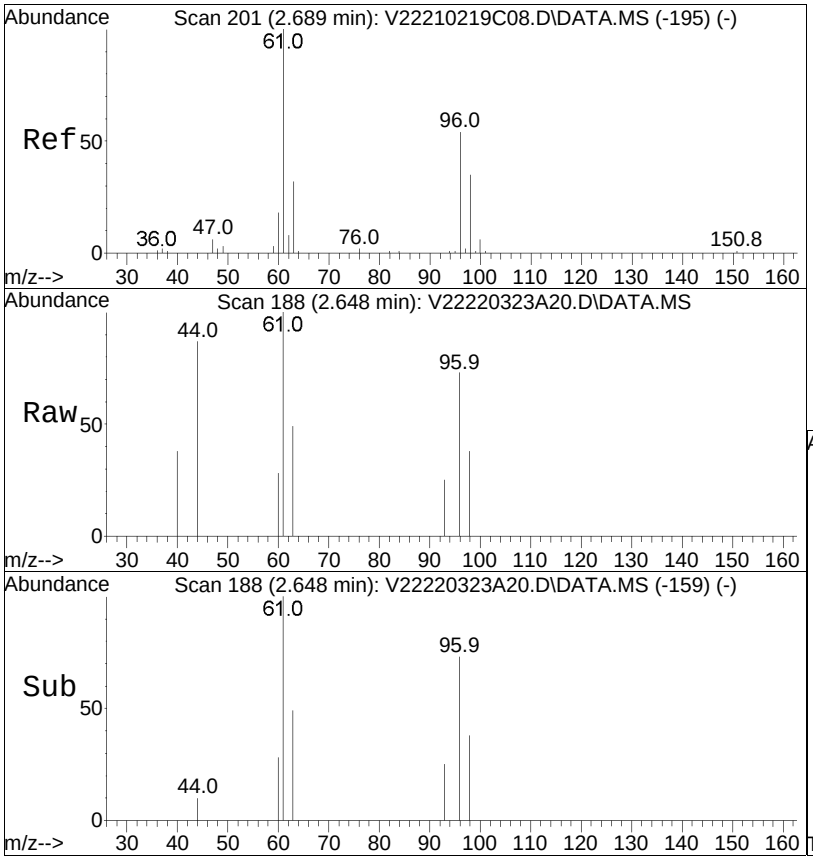


#4
Vinyl chloride
Concen: 36.91 ug/L
RT: 1.679 min Scan# 49
Delta R.T. 0.000 min
Lab File: V22220323A20.D
Acq: 23 Mar 2022 05:11 pm

Tgt Ion: 62 Resp: 162399

Ion	Ratio	Lower	Upper
62	100		
64	34.8	12.0	52.0

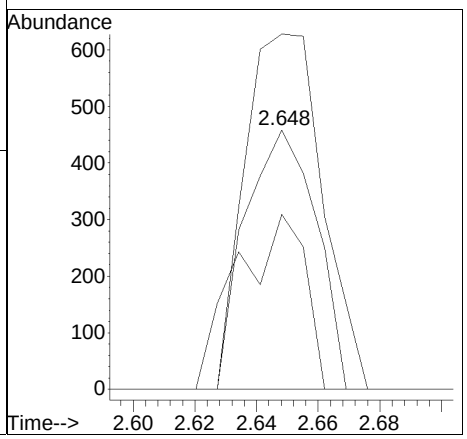


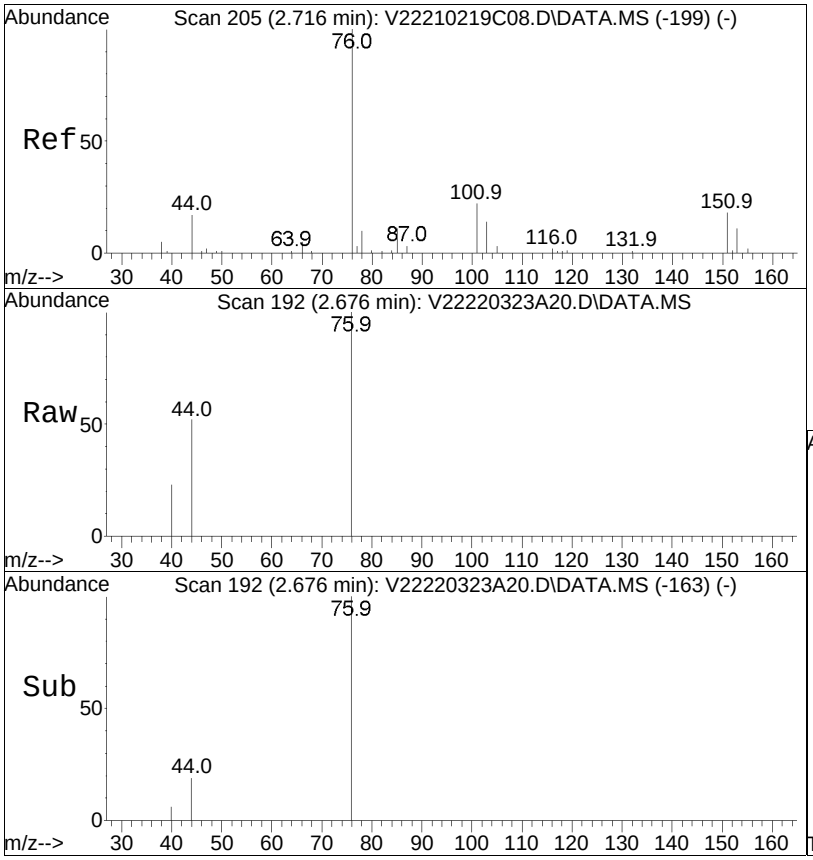


#10
1,1-Dichloroethene
Concen: 0.20 ug/L
RT: 2.648 min Scan# 188
Delta R.T. 0.000 min
Lab File: V22220323A20.D
Acq: 23 Mar 2022 05:11 pm

Tgt Ion: 96 Resp: 732

Ion	Ratio	Lower	Upper
96	100		
61	150.3	117.0	175.4
63	65.2	37.8	56.6#

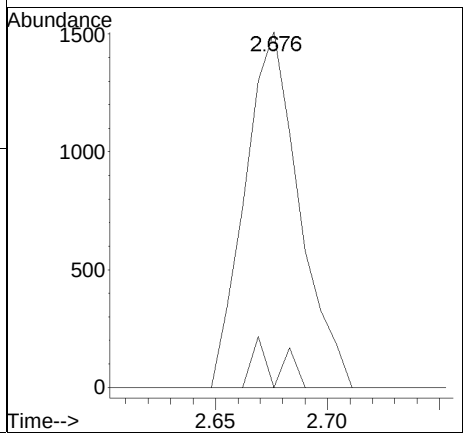


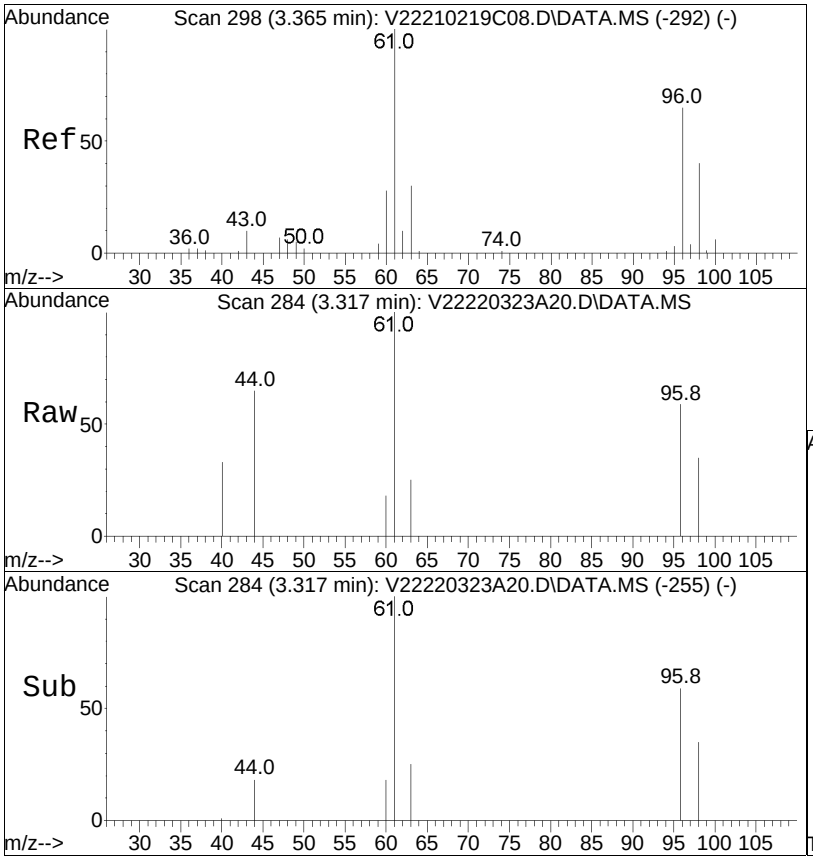


#11
Carbon disulfide
Concen: 0.26 ug/L
RT: 2.676 min Scan# 192
Delta R.T. 0.000 min
Lab File: V22220323A20.D
Acq: 23 Mar 2022 05:11 pm

Tgt Ion: 76 Resp: 2547

Ion	Ratio	Lower	Upper
76	100		
78	6.3	6.4	13.4#

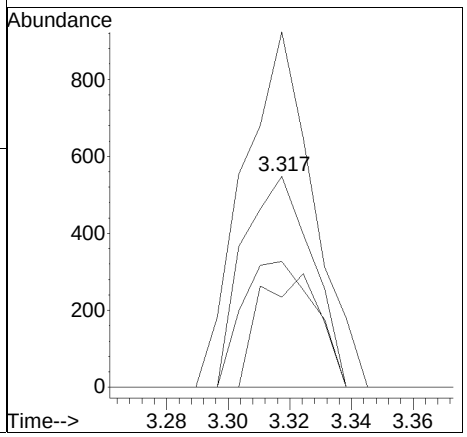


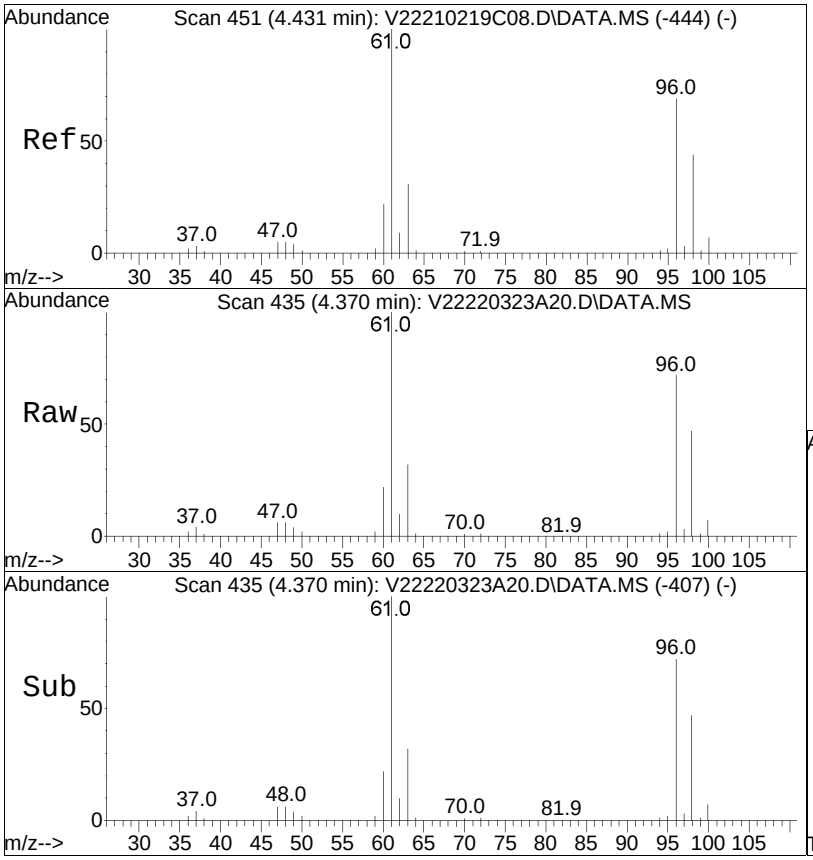


#18
trans-1,2-Dichloroethene
Concen: 0.22 ug/L
RT: 3.317 min Scan# 284
Delta R.T. 0.000 min
Lab File: V22220323A20.D
Acq: 23 Mar 2022 05:11 pm

Tgt Ion: 96 Resp: 849

Ion	Ratio	Lower	Upper
96	100		
61	171.4	81.6	169.6#
98	62.7	41.8	86.8
63	47.3	26.3	54.7

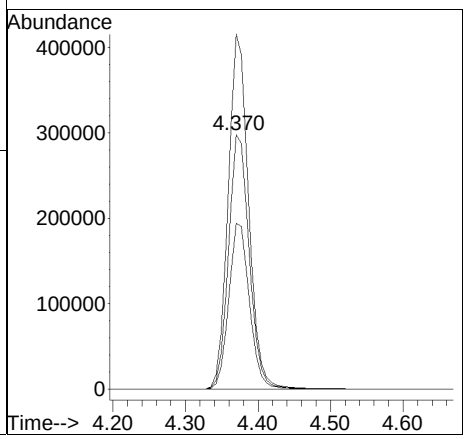


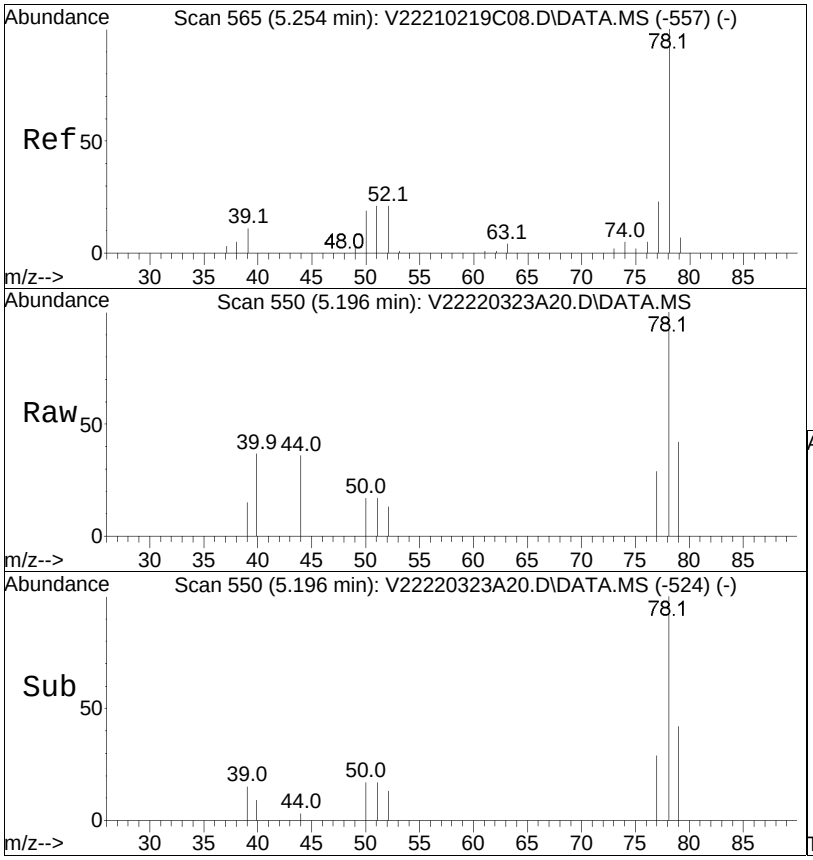


#30
cis-1,2-Dichloroethene
Concen: 135.80 ug/L
RT: 4.370 min Scan# 435
Delta R.T. -0.007 min
Lab File: V22220323A20.D
Acq: 23 Mar 2022 05:11 pm

Tgt Ion: 96 Resp: 597078

Ion	Ratio	Lower	Upper
96	100		
61	137.2	90.3	135.5#
98	65.3	50.8	76.2

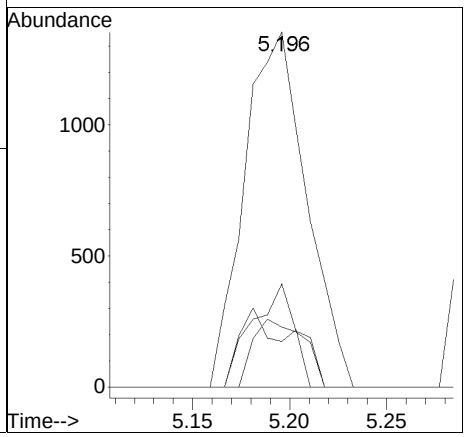


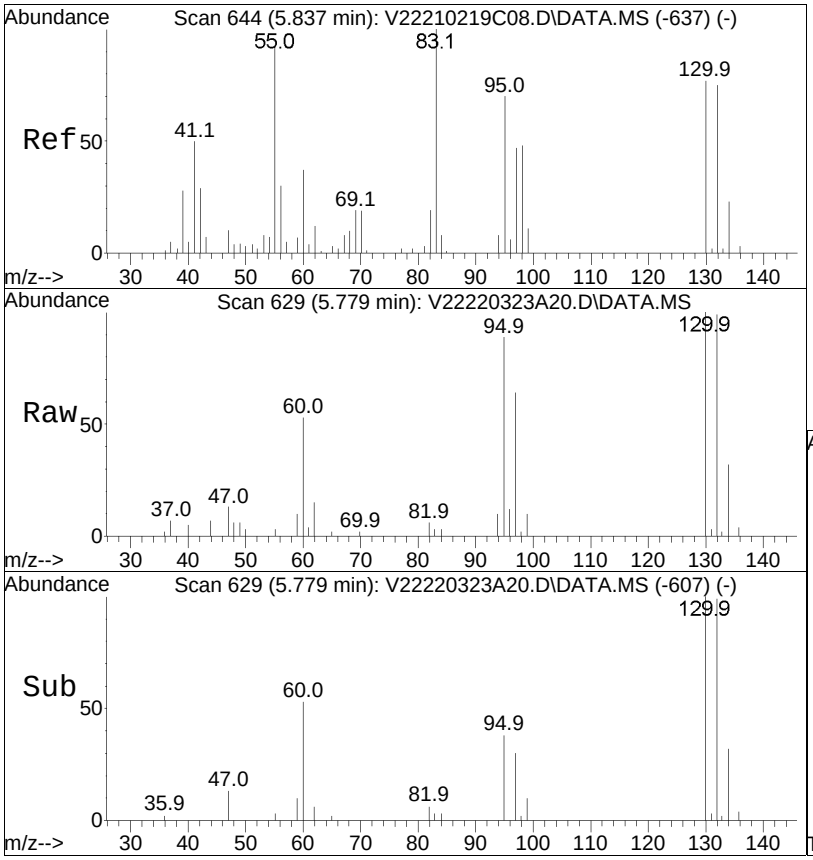


#44
Benzene
Concen: 0.23 ug/L
RT: 5.196 min Scan# 550
Delta R.T. 0.008 min
Lab File: V22220323A20.D
Acq: 23 Mar 2022 05:11 pm

Tgt Ion: 78 Resp: 3018

Ion	Ratio	Lower	Upper
78	100		
77	22.3	15.4	32.0
51	0.0	9.8	20.4#
52	15.9	9.2	19.2

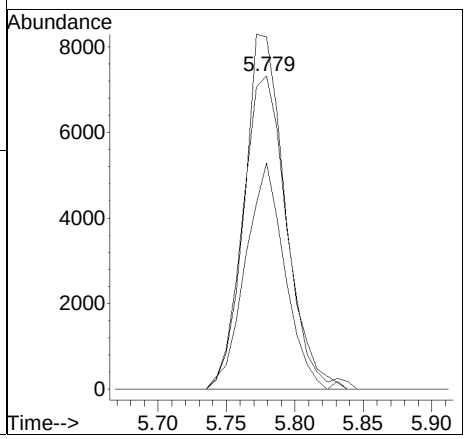


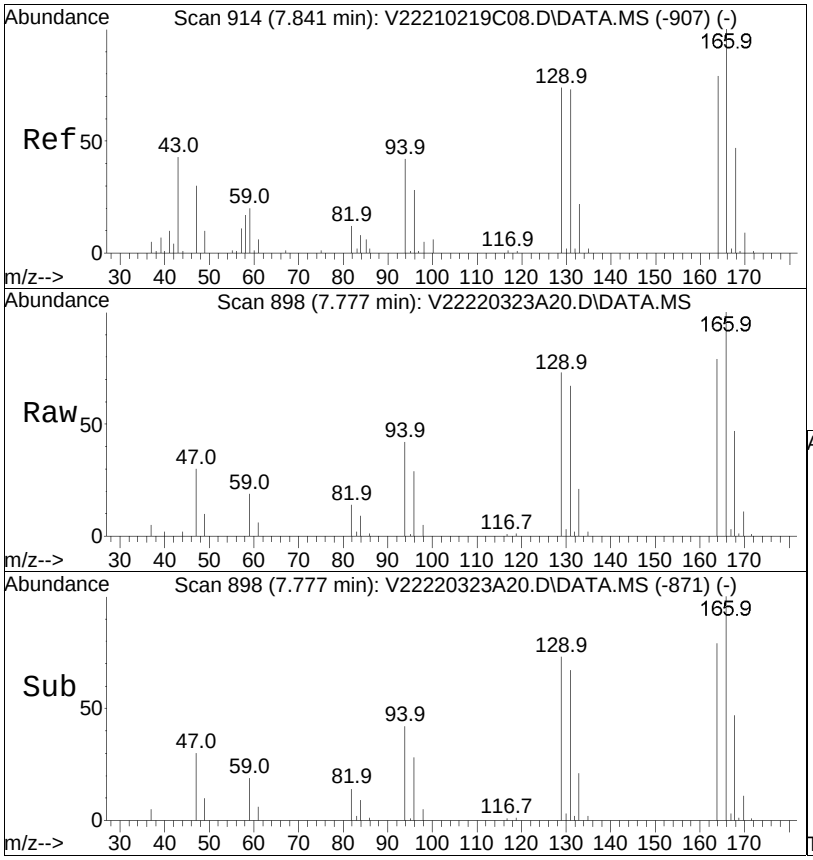


#51
Trichloroethene
Concen: 4.41 ug/L
RT: 5.779 min Scan# 629
Delta R.T. 0.000 min
Lab File: V22220323A20.D
Acq: 23 Mar 2022 05:11 pm

Tgt Ion: 95 Resp: 16306

Ion	Ratio	Lower	Upper
95	100		
97	65.4	55.0	82.4
130	106.1	89.2	133.8

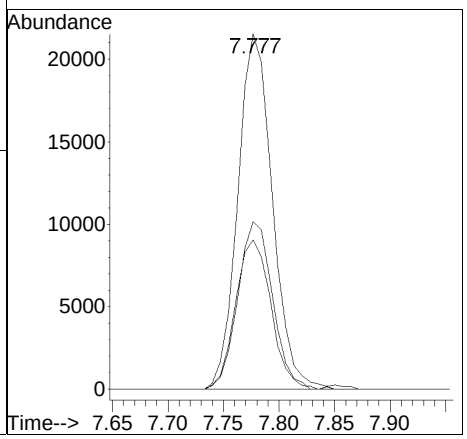


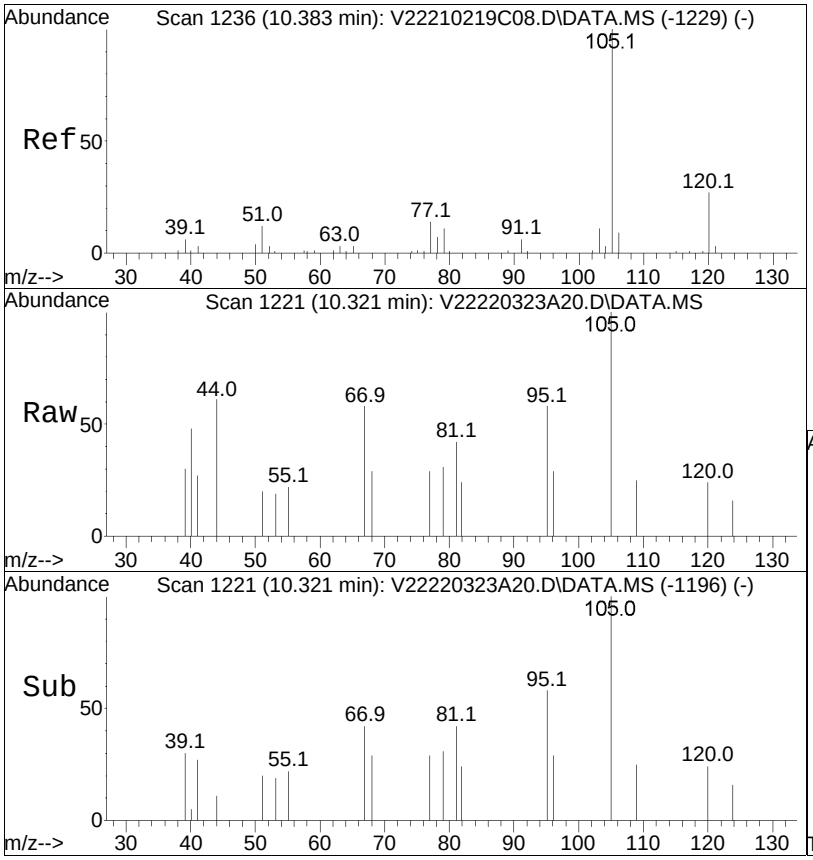


#66
Tetrachloroethene
Concen: 9.50 ug/L
RT: 7.777 min Scan# 898
Delta R.T. -0.000 min
Lab File: V22220323A20.D
Acq: 23 Mar 2022 05:11 pm

Tgt Ion:166 Resp: 46948

Ion	Ratio	Lower	Upper
166	100		
168	47.1	27.8	67.8
94	43.1	16.7	56.7

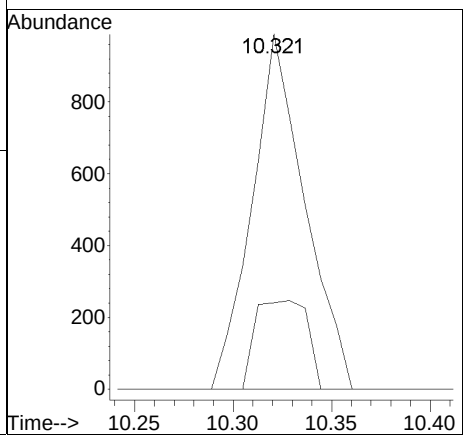


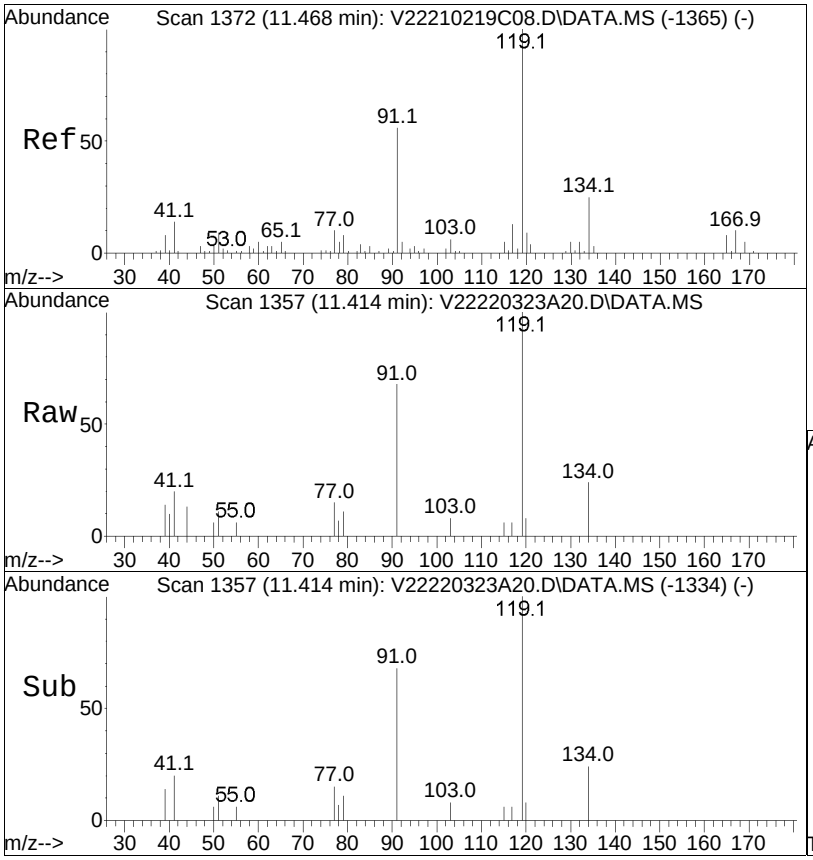


#86
Isopropylbenzene
Concen: 0.07 ug/L
RT: 10.321 min Scan# 1221
Delta R.T. -0.000 min
Lab File: V22220323A20.D
Acq: 23 Mar 2022 05:11 pm

Tgt Ion:105 Resp: 1843

Ion	Ratio	Lower	Upper
105	100		
120	24.5	7.7	47.7

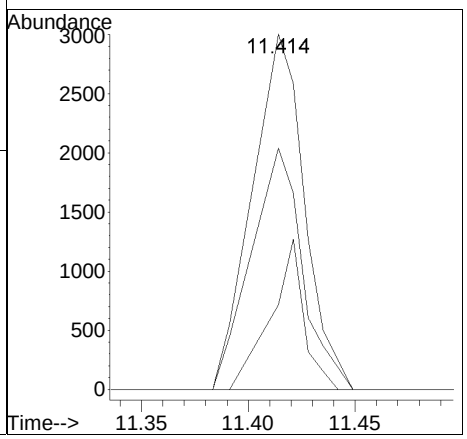


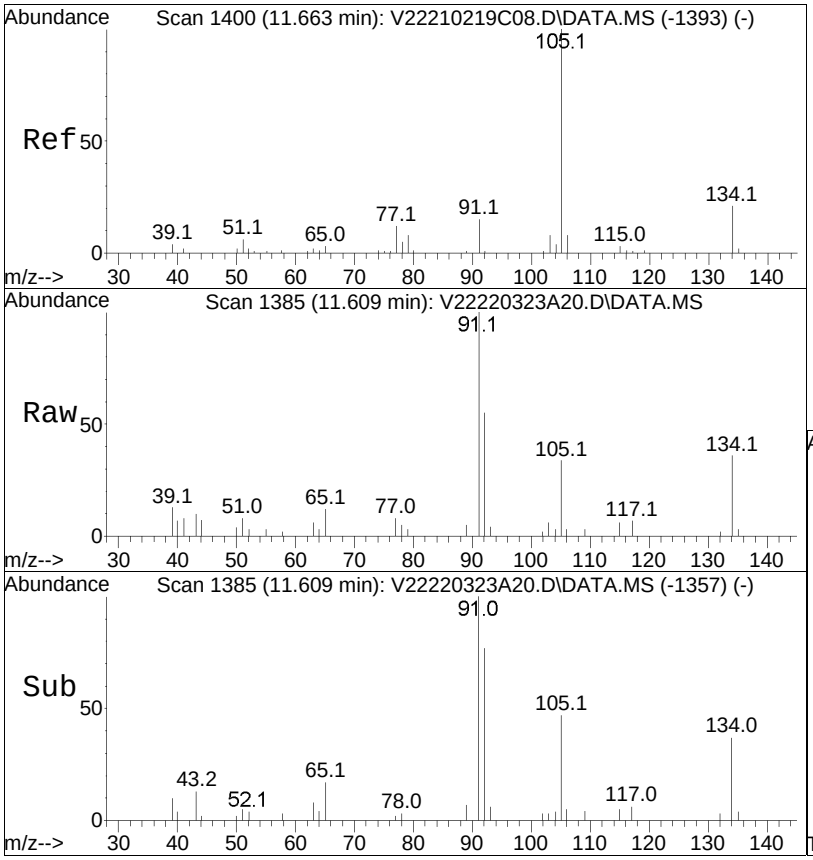


#98
tert-Butylbenzene
Concen: 0.30 ug/L
RT: 11.414 min Scan# 1357
Delta R.T. 0.000 min
Lab File: V22220323A20.D
Acq: 23 Mar 2022 05:11 pm

Tgt Ion:119 Resp: 4376

Ion	Ratio	Lower	Upper
119	100		
91	65.0	50.2	75.4
134	31.6	20.8	31.2#

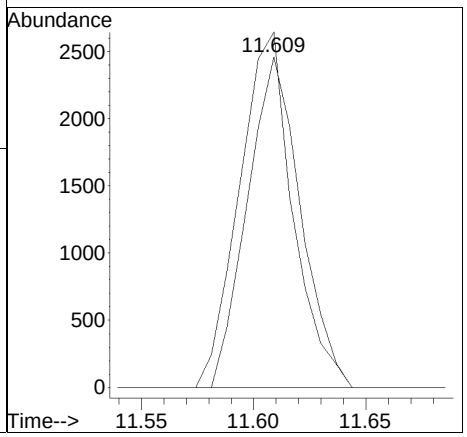


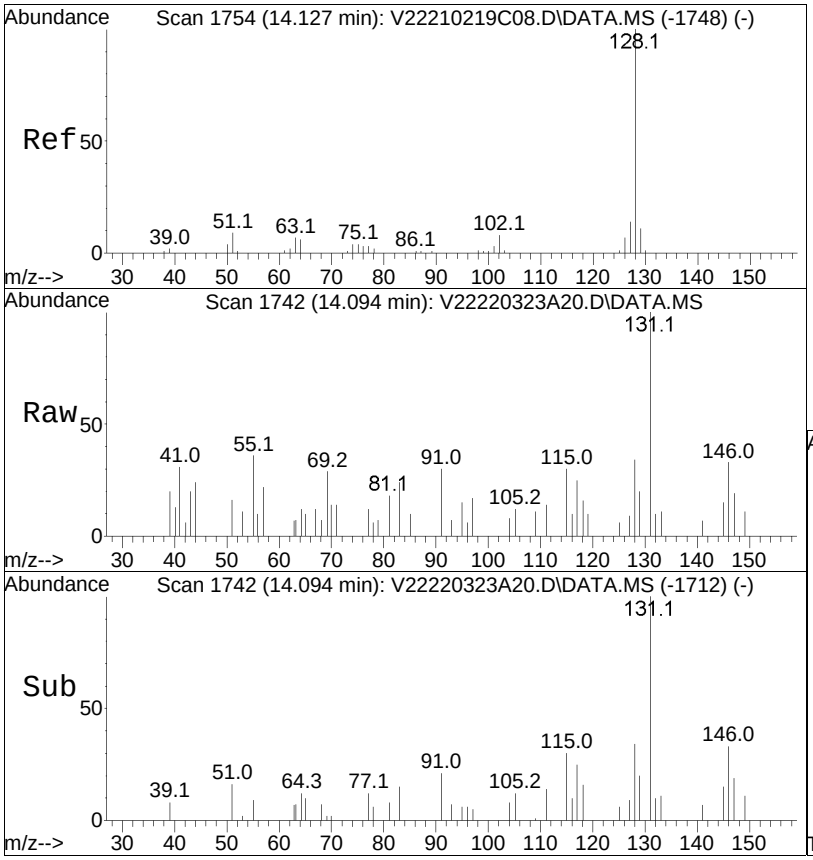


#102
sec-Butylbenzene
Concen: 0.16 ug/L
RT: 11.609 min Scan# 1385
Delta R.T. -0.000 min
Lab File: V22220323A20.D
Acq: 23 Mar 2022 05:11 pm

Tgt Ion:105 Resp: 4069

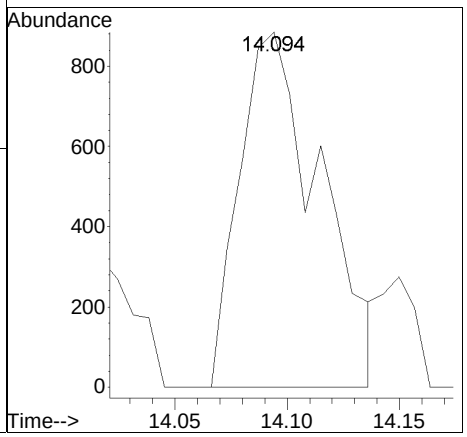
Ion	Ratio	Lower	Upper
105	100		
134	108.0	13.9	28.9#





#114
Naphthalene
Concen: 0.16 ug/L
RT: 14.094 min Scan# 1742
Delta R.T. 0.007 min
Lab File: V22220323A20.D
Acq: 23 Mar 2022 05:11 pm

Tgt Ion:128 Resp: 2209



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2	QMethod	: V122_220128N_8260D.m
Data File	: V22220323A20.D	Operator	: VOA122:KJD
Date Inj'd	: 3/23/2022 5:11 pm	Instrument	: VOA122
Sample	: L2214084-04,31,10,10,,A	Quant Date	: 3/23/2022 6:18 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A21.D
Acq On : 23 Mar 2022 05:35 pm
Operator : VOA122:KJD
Sample : L2214084-05,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 19:28:14 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.602	96	173623	10.000	ug/L	0.00
Standard Area 1 = 208471			Recovery =	83.28%		
62) Chlorobenzene-d5	9.107	117	162798	10.000	ug/L	0.00
Standard Area 1 = 173941			Recovery =	93.59%		
83) 1,4-Dichlorobenzene-d4	11.908	152	97527	10.000	ug/L	0.00
Standard Area 1 = 105828			Recovery =	92.16%		
System Monitoring Compounds						
38) Dibromofluoromethane	4.802	113	66722	12.161	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	121.61%		
46) 1,2-Dichloroethane-d4	5.314	65	61744	11.474	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	114.74%		
63) Toluene-d8	7.276	98	192071	9.567	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.67%		
87) 4-Bromofluorobenzene	10.654	95	73801	8.379	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	83.79%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	1.679	62	4110	0.920	ug/L #	1
5) Bromomethane	1.965	94	65	N.D.		
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D. d		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.206	43	968	Below Cal #		62
18) trans-1,2-Dichloroethene	3.317	96	1256	0.317	ug/L	87
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.377	96	13262	2.970	ug/L #	86
31) 2,2-Dichloropropane	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A21.D
Acq On : 23 Mar 2022 05:35 pm
Operator : VOA122:KJD
Sample : L2214084-05,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 19:28:14 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	0.000		0	N.D.		
42) 1,1-Dichloropropene	0.000		0	N.D.		
44) Benzene	5.196	78	184	N.D.		
47) 1,2-Dichloroethane	0.000		0	N.D.		
51) Trichloroethene	5.779	95	6888	1.836	ug/L	97
53) Dibromomethane	0.000		0	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	0.000		0	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	7.776	166	7475	1.505	ug/L	94
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
73) 1,3-Dichloropropane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	9.107	91	170	N.D.		
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
80) p/m Xylene	0.000		0	N.D.		
81) o Xylene	0.000		0	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	0.000		0	N.D.		
88) Bromobenzene	0.000		0	N.D.		
89) n-Propylbenzene	10.646	91	223	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
92) 4-Ethyltoluene	0.000		0	N.D.		
93) 2-Chlorotoluene	0.000		0	N.D.		
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
95) 1,2,3-Trichloropropane	0.000		0	N.D.		
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
97) 4-Chlorotoluene	0.000		0	N.D.		
98) tert-Butylbenzene	11.414	119	227	N.D.		

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A21.D
Acq On : 23 Mar 2022 05:35 pm
Operator : VOA122:KJD
Sample : L2214084-05,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 19:28:14 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.609	105	151	N.D.		
102) sec-Butylbenzene	11.609	105	151	N.D.		
103) p-Isopropyltoluene	0.000		0	N.D.		
104) 1,3-Dichlorobenzene	11.922	146	71	N.D.		
105) 1,4-Dichlorobenzene	11.922	146	71	N.D.		
106) p-Diethylbenzene	0.000		0	N.D.		
107) n-Butylbenzene	0.000		0	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
109) 1,2,4,5-Tetramethylben...	12.911	119	368	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
112) Hexachlorobutadiene	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
114) Naphthalene	14.115	128	464	N.D.		
115) 1,2,3-Trichlorobenzene	14.170	180	133	N.D.		

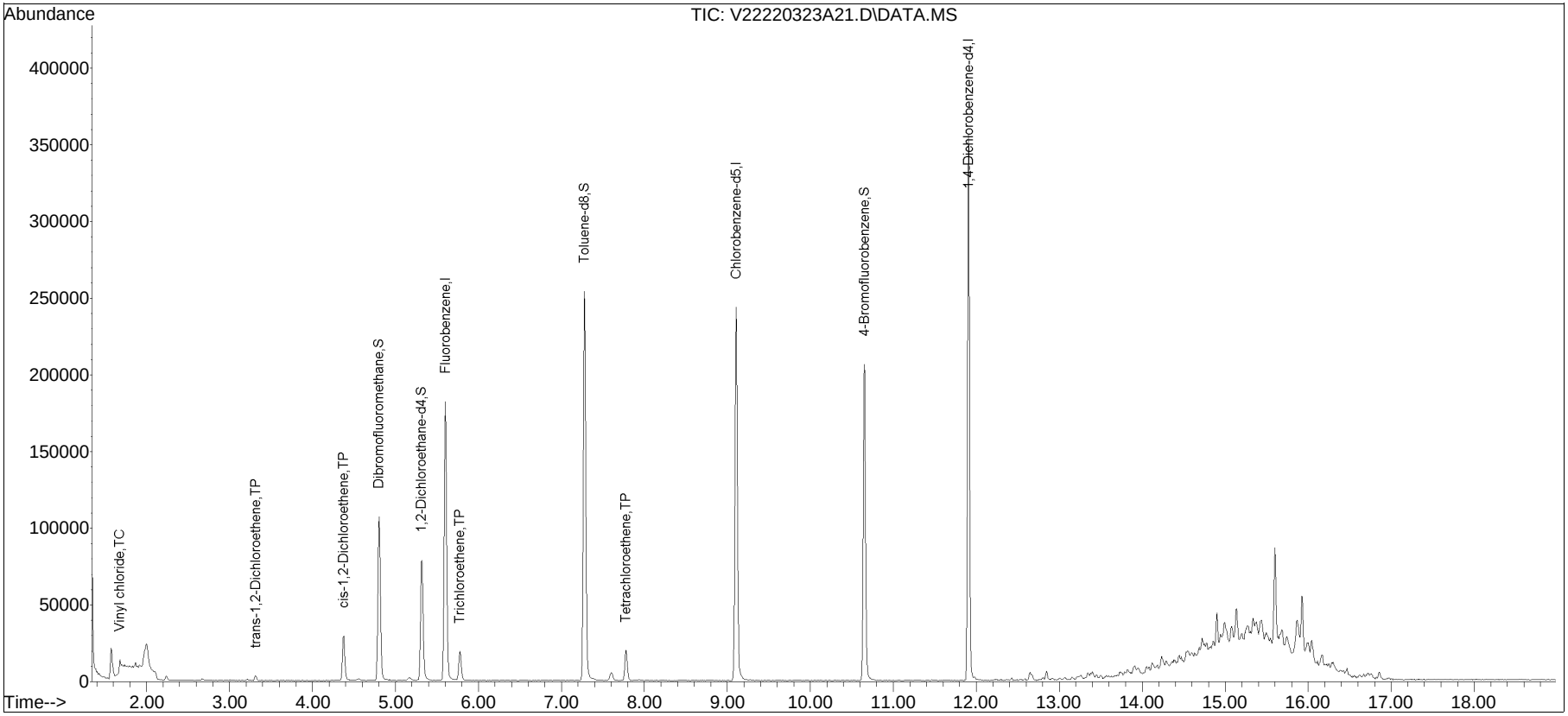
(#) = qualifier out of range (m) = manual integration (+) = signals summed

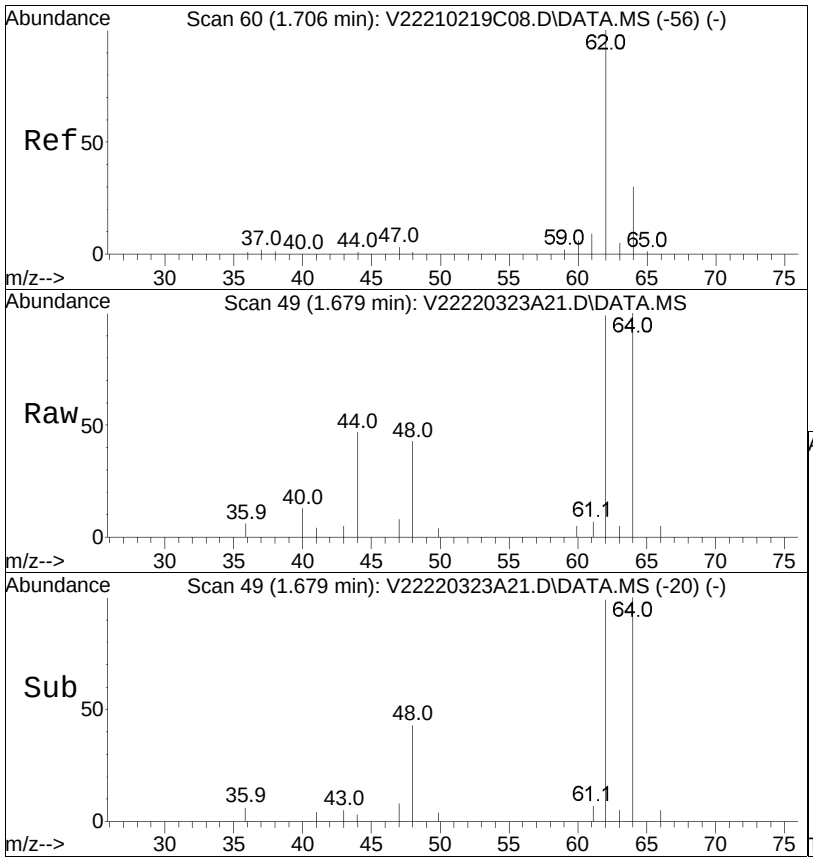
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A21.D
Acq On : 23 Mar 2022 05:35 pm
Operator : VOA122:KJD
Sample : L2214084-05,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 19:28:14 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20323A\V22220323A01.D•

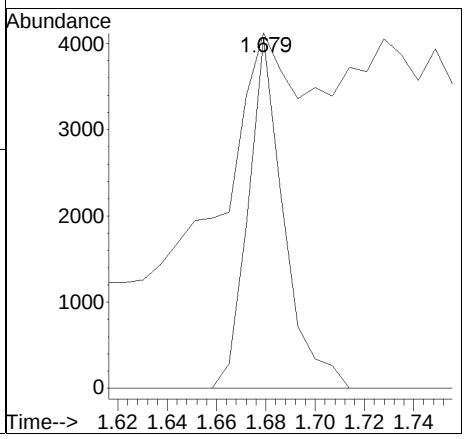


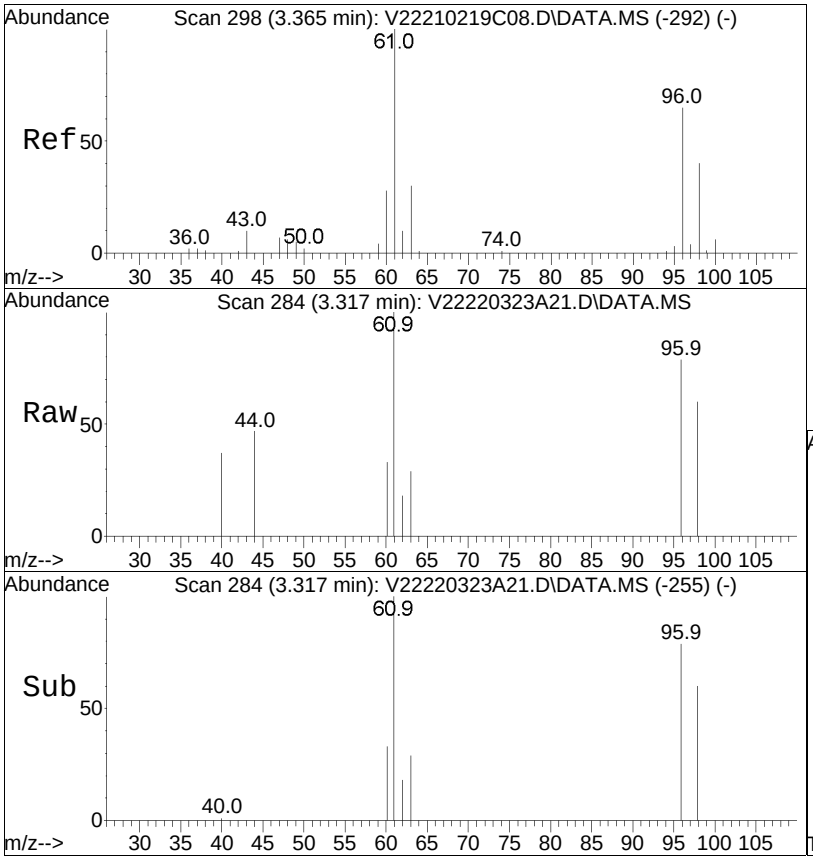


#4
Vinyl chloride
Concen: 0.92 ug/L
RT: 1.679 min Scan# 49
Delta R.T. 0.000 min
Lab File: V22220323A21.D
Acq: 23 Mar 2022 05:35 pm

Tgt Ion: 62 Resp: 4110

Ion	Ratio	Lower	Upper
62	100		
64	125.3	12.0	52.0#

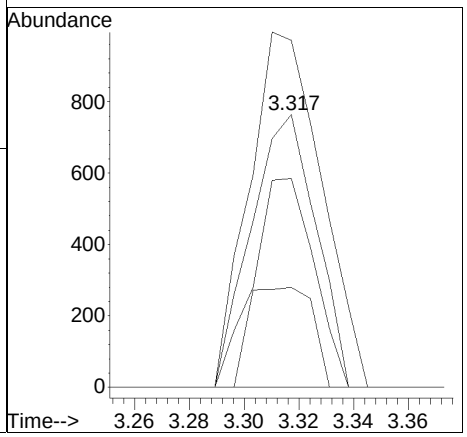


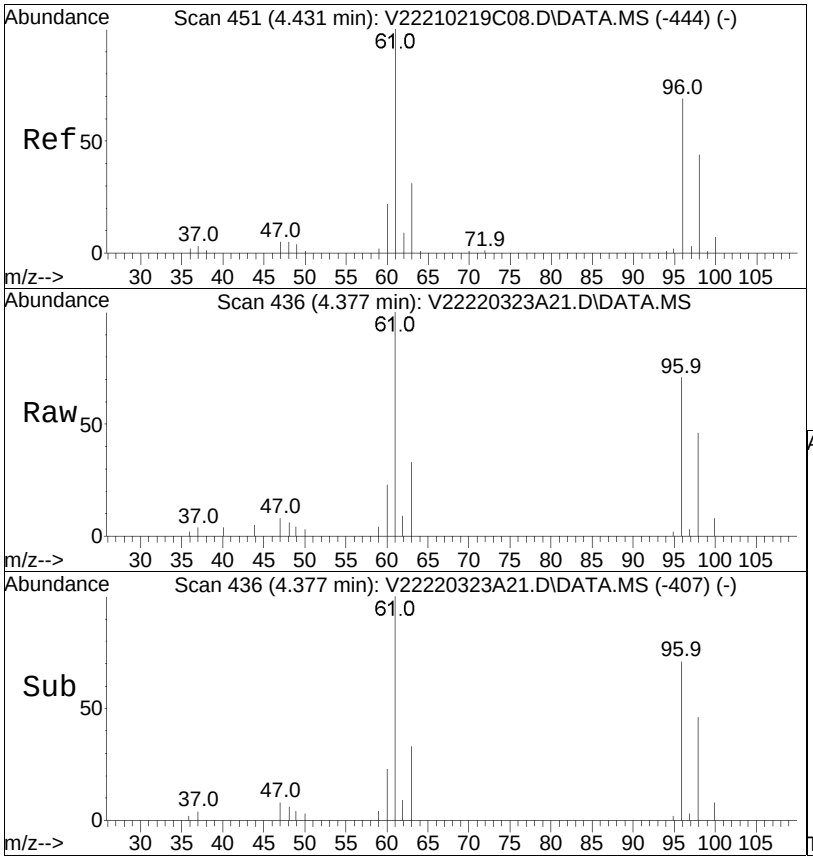


#18
trans-1,2-Dichloroethene
Concen: 0.32 ug/L
RT: 3.317 min Scan# 284
Delta R.T. 0.000 min
Lab File: V22220323A21.D
Acq: 23 Mar 2022 05:35 pm

Tgt Ion: 96 Resp: 1256

Ion	Ratio	Lower	Upper
96	100		
61	145.3	81.6	169.6
98	71.9	41.8	86.8
63	35.8	26.3	54.7

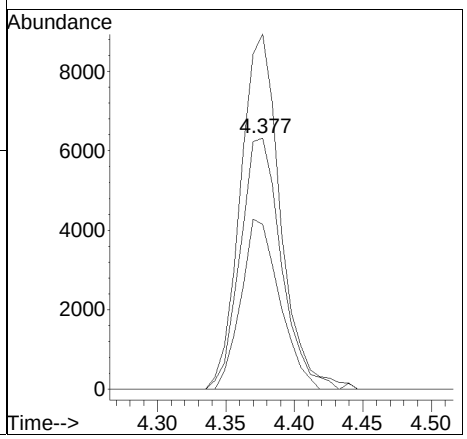


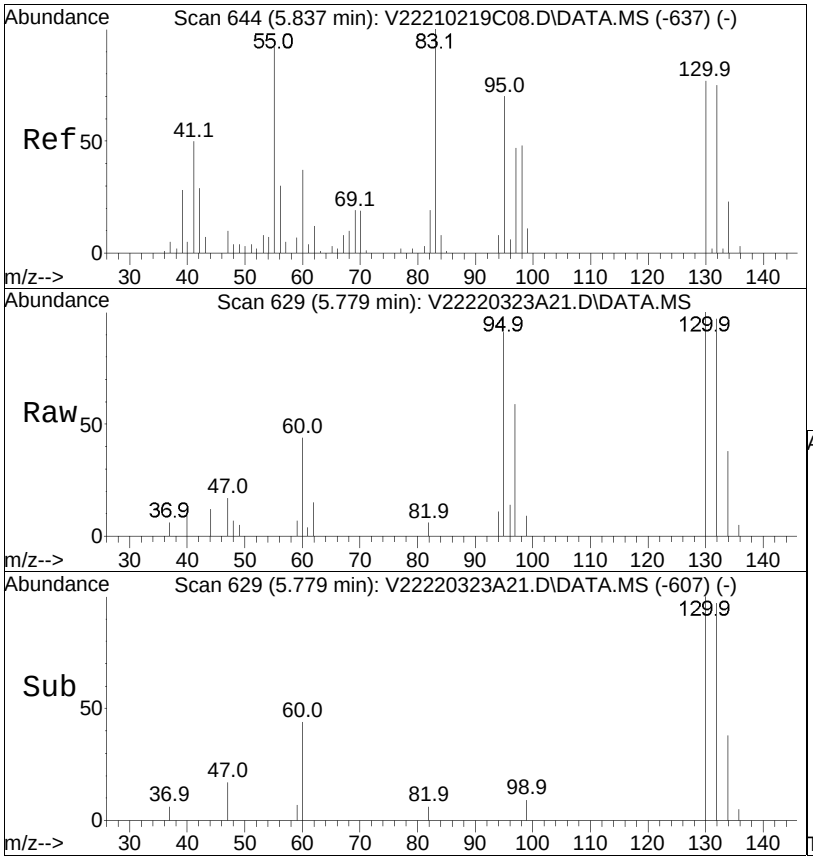


#30
cis-1,2-Dichloroethene
Concen: 2.97 ug/L
RT: 4.377 min Scan# 436
Delta R.T. -0.000 min
Lab File: V22220323A21.D
Acq: 23 Mar 2022 05:35 pm

Tgt Ion: 96 Resp: 13262

Ion	Ratio	Lower	Upper
96	100		
61	137.0	90.3	135.5#
98	63.4	50.8	76.2

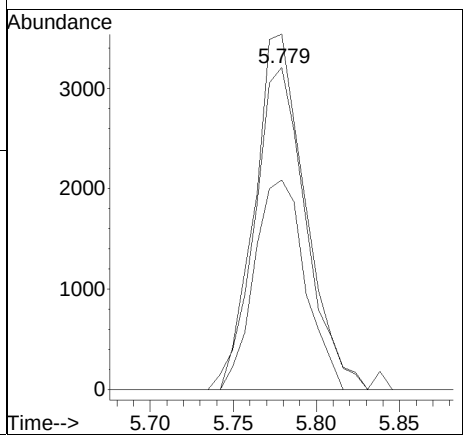


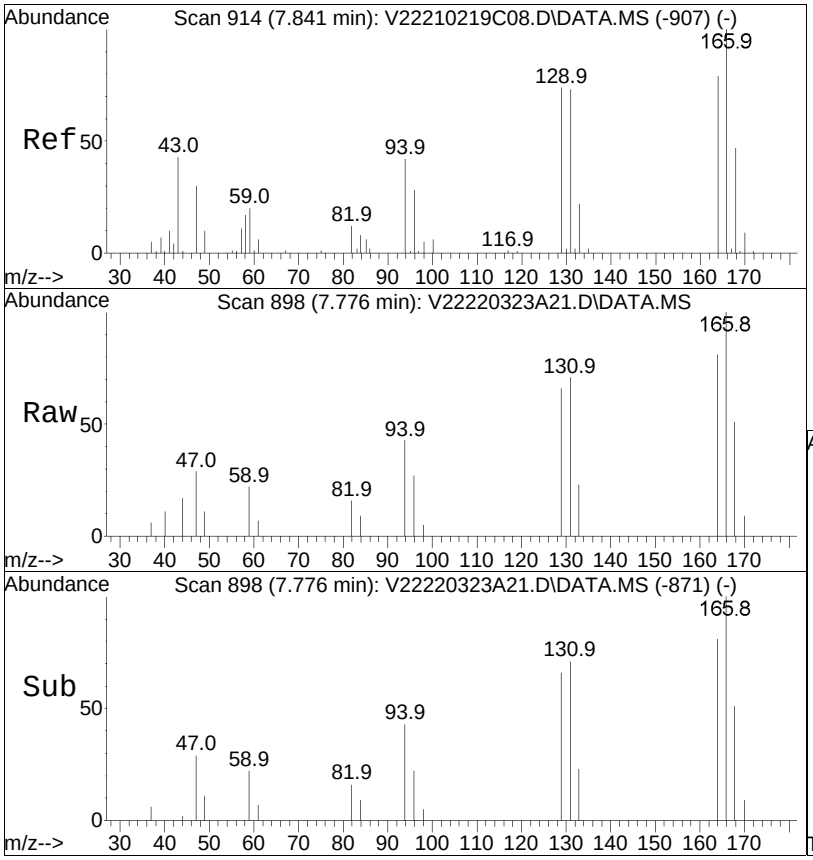


#51
Trichloroethene
Concen: 1.84 ug/L
RT: 5.779 min Scan# 629
Delta R.T. 0.000 min
Lab File: V22220323A21.D
Acq: 23 Mar 2022 05:35 pm

Tgt Ion: 95 Resp: 6888

Ion	Ratio	Lower	Upper
95	100		
97	64.5	55.0	82.4
130	109.2	89.2	133.8

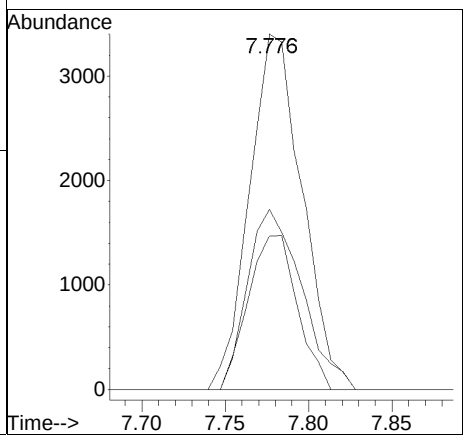




#66
Tetrachloroethene
Concen: 1.51 ug/L
RT: 7.776 min Scan# 898
Delta R.T. -0.001 min
Lab File: V22220323A21.D
Acq: 23 Mar 2022 05:35 pm

Tgt Ion:166 Resp: 7475

Ion	Ratio	Lower	Upper
166	100		
168	52.1	27.8	67.8
94	40.5	16.7	56.7



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2	Method	: V122_220128N_8260D.m
Data File	: V22220323A21.D	Operator	: VOA122:KJD
Date Inj'd	: 3/23/2022 5:35 pm	Instrument	: VOA122
Sample	: L2214084-05,31,10,10,,A	Quant Date	: 3/23/2022 6:18 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A24.D
Acq On : 23 Mar 2022 06:49 pm
Operator : VOA122:KJD
Sample : L2214084-08,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 23 19:53:11 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.602	96	193857	10.000 ug/L	0.00
Standard Area 1 = 208471			Recovery = 92.99%		
62) Chlorobenzene-d5	9.107	117	182821	10.000 ug/L	0.00
Standard Area 1 = 173941			Recovery = 105.11%		
83) 1,4-Dichlorobenzene-d4	11.908	152	106213	10.000 ug/L	0.00
Standard Area 1 = 105828			Recovery = 100.36%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.802	113	77981	12.730 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 127.30%		
46) 1,2-Dichloroethane-d4	5.314	65	72275	12.029 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 120.29%		
63) Toluene-d8	7.276	98	208638	9.254 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.54%		
87) 4-Bromofluorobenzene	10.646	95	83637	8.719 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.19%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.575	50	298	N.D.	
4) Vinyl chloride	1.679	62	340	N.D.	
5) Bromomethane	1.958	94	87	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	0.000		0	N.D. d	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.213	43	272	Below Cal #	46
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	4.370	96	7120	1.428 ug/L #	86
31) 2,2-Dichloropropane	0.000		0	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
34) Chloroform	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A24.D
Acq On : 23 Mar 2022 06:49 pm
Operator : VOA122:KJD
Sample : L2214084-08,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 23 19:53:11 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.			
39) 1,1,1-Trichloroethane	0.000		0	N.D.			
41) 2-Butanone	0.000		0	N.D.			
42) 1,1-Dichloropropene	0.000		0	N.D.			
44) Benzene	5.196	78	67	N.D.			
47) 1,2-Dichloroethane	0.000		0	N.D.			
51) Trichloroethene	5.787	95	685	0.164	ug/L	#	73
53) Dibromomethane	0.000		0	N.D.			
54) 1,2-Dichloropropane	0.000		0	N.D.			
57) Bromodichloromethane	0.000		0	N.D.			
60) 1,4-Dioxane	0.000		0	N.D.			
61) cis-1,3-Dichloropropene	0.000		0	N.D.			
64) Toluene	0.000		0	N.D.			
65) 4-Methyl-2-pentanone	0.000		0	N.D.			
66) Tetrachloroethene	7.777	166	1343	0.241	ug/L		97
68) trans-1,3-Dichloropropene	0.000		0	N.D.			
71) 1,1,2-Trichloroethane	0.000		0	N.D.			
72) Chlorodibromomethane	0.000		0	N.D.			
73) 1,3-Dichloropropane	0.000		0	N.D.			
74) 1,2-Dibromoethane	0.000		0	N.D.			
76) 2-Hexanone	0.000		0	N.D.			
77) Chlorobenzene	0.000		0	N.D.			
78) Ethylbenzene	9.115	91	254	N.D.			
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
80) p/m Xylene	0.000		0	N.D.			
81) o Xylene	0.000		0	N.D.			
82) Styrene	0.000		0	N.D.			
84) Bromoform	0.000		0	N.D.			
86) Isopropylbenzene	0.000		0	N.D.			
88) Bromobenzene	0.000		0	N.D.			
89) n-Propylbenzene	10.654	91	214	N.D.			
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
92) 4-Ethyltoluene	0.000		0	N.D.			
93) 2-Chlorotoluene	0.000		0	N.D.			
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
95) 1,2,3-Trichloropropane	0.000		0	N.D.			
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
97) 4-Chlorotoluene	0.000		0	N.D.			
98) tert-Butylbenzene	0.000		0	N.D.			

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A24.D
Acq On : 23 Mar 2022 06:49 pm
Operator : VOA122:KJD
Sample : L2214084-08,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 23 19:53:11 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
102) sec-Butylbenzene	0.000		0		N.D.	
103) p-Isopropyltoluene	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	11.915	146	74		N.D.	
105) 1,4-Dichlorobenzene	11.915	146	74		N.D.	
106) p-Diethylbenzene	0.000		0		N.D.	
107) n-Butylbenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
109) 1,2,4,5-Tetramethylben...	12.973	119	474		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
112) Hexachlorobutadiene	0.000		0		N.D.	
113) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
114) Naphthalene	14.101	128	369		N.D.	
115) 1,2,3-Trichlorobenzene	0.000		0		N.D.	d

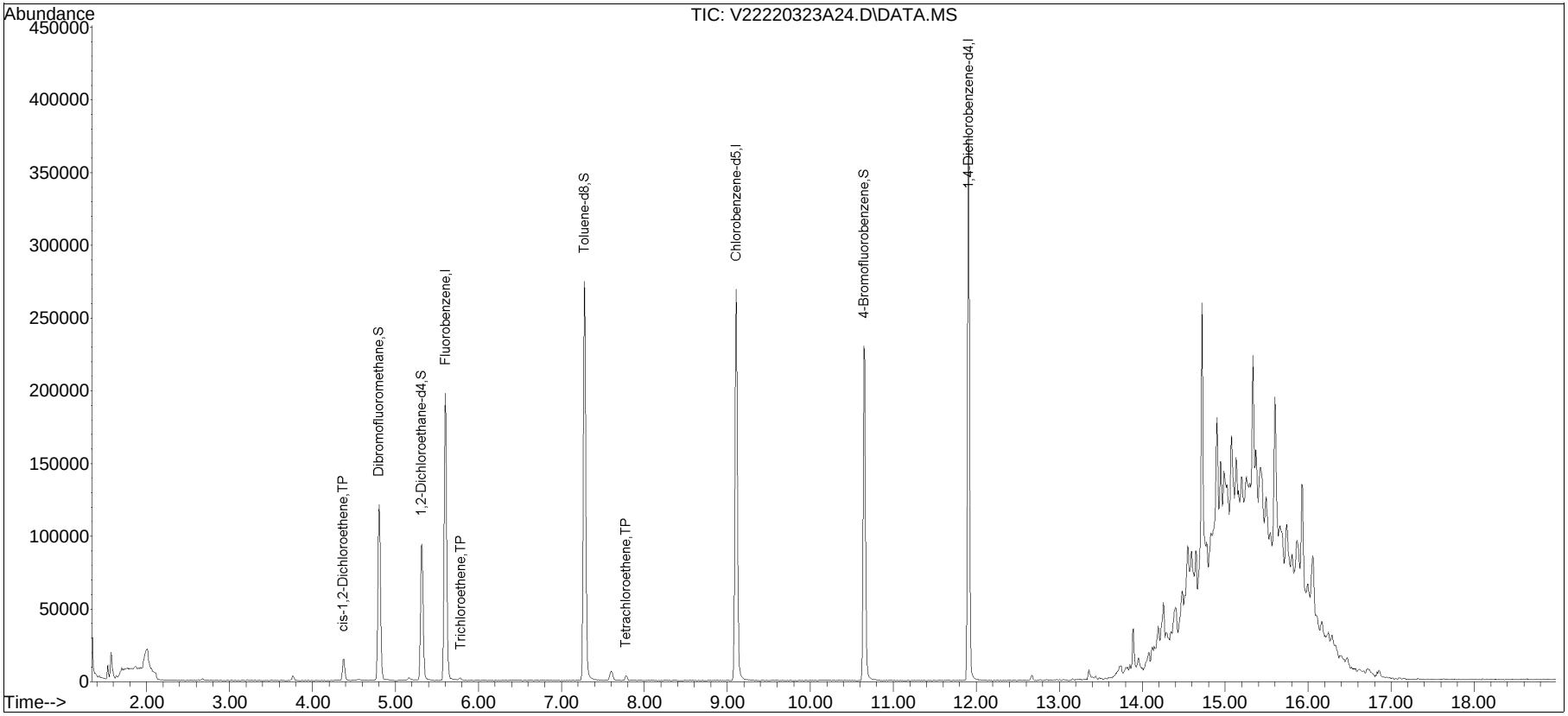
(#) = qualifier out of range (m) = manual integration (+) = signals summed

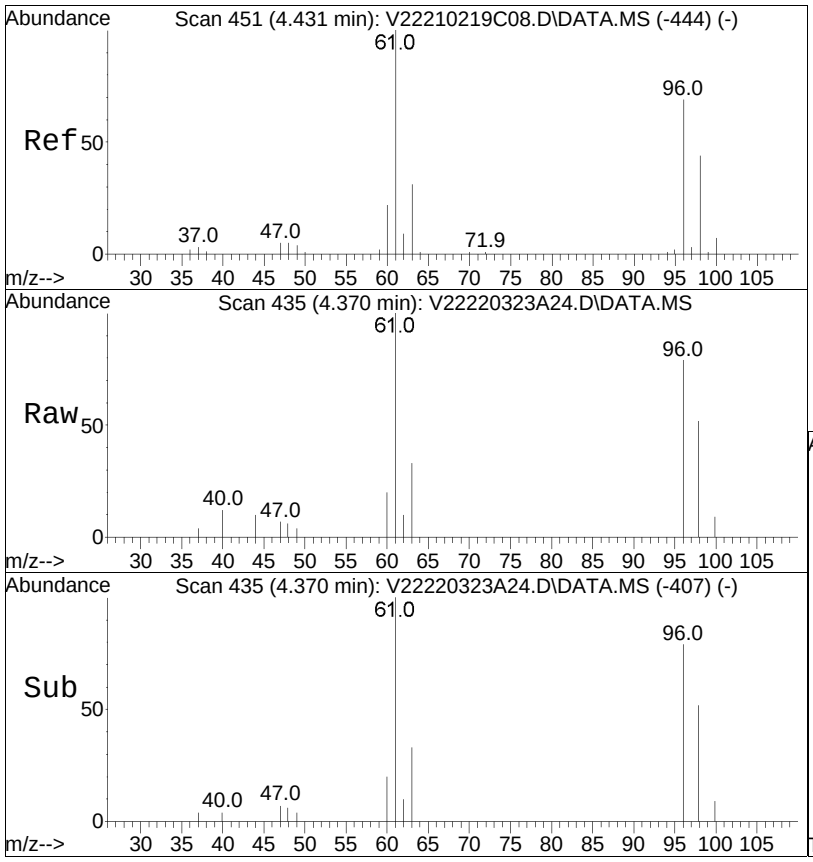
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A24.D
Acq On : 23 Mar 2022 06:49 pm
Operator : VOA122:KJD
Sample : L2214084-08,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 23 19:53:11 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20323A\\V22220323A01.D•

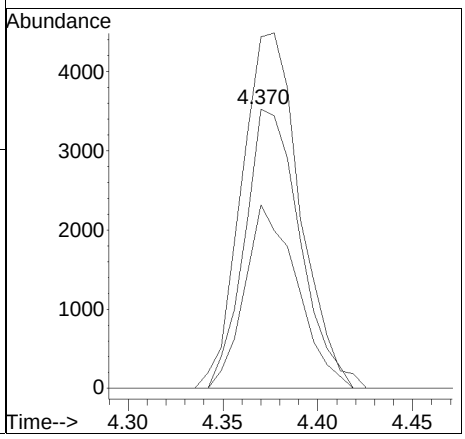


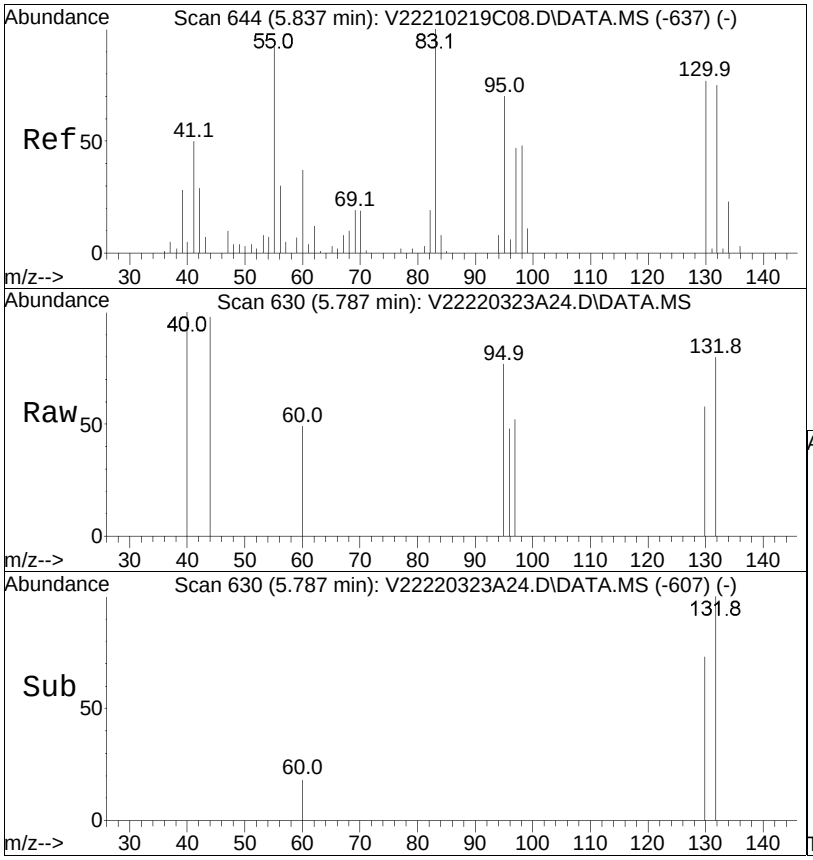


#30
cis-1,2-Dichloroethene
Concen: 1.43 ug/L
RT: 4.370 min Scan# 435
Delta R.T. -0.007 min
Lab File: V22220323A24.D
Acq: 23 Mar 2022 06:49 pm

Tgt Ion: 96 Resp: 7120

Ion	Ratio	Lower	Upper
96	100		
61	135.6	90.3	135.5#
98	62.6	50.8	76.2

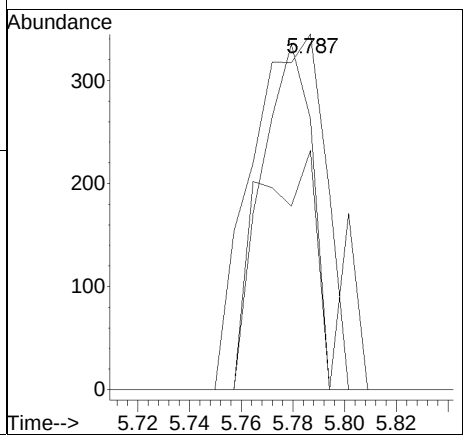


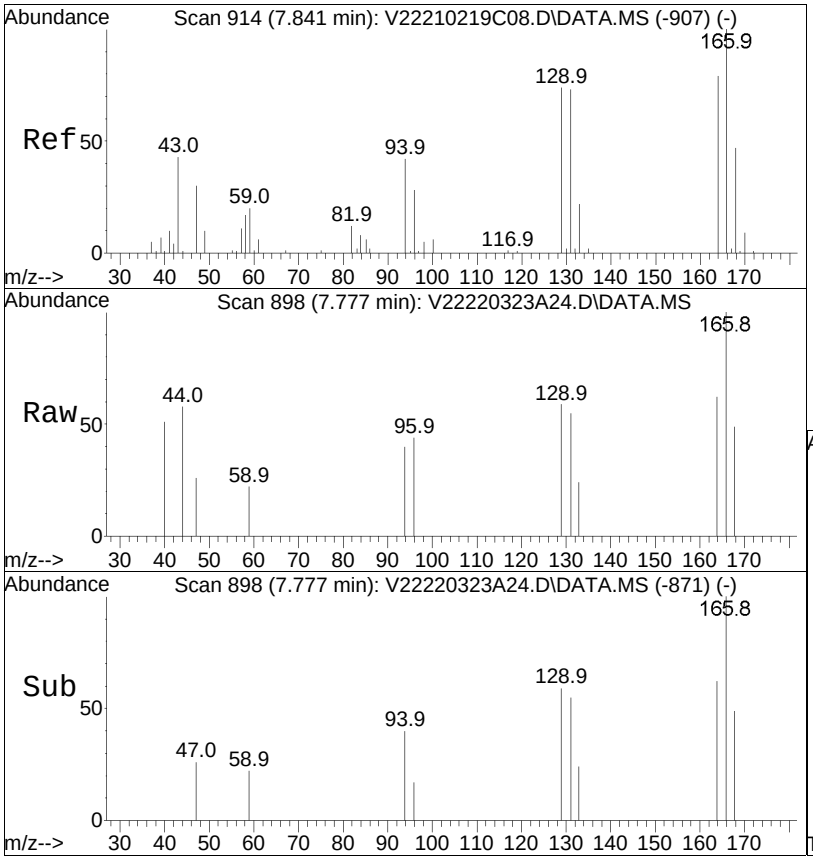


#51
Trichloroethene
Concen: 0.16 ug/L
RT: 5.787 min Scan# 630
Delta R.T. 0.008 min
Lab File: V22220323A24.D
Acq: 23 Mar 2022 06:49 pm

Tgt Ion: 95 Resp: 685

Ion	Ratio	Lower	Upper
95	100		
97	52.3	55.0	82.4#
130	78.0	89.2	133.8#

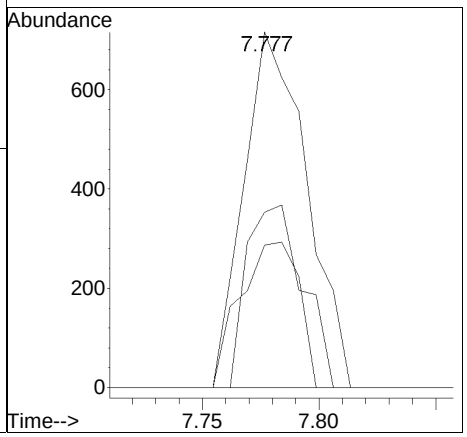




#66
Tetrachloroethene
Concen: 0.24 ug/L
RT: 7.777 min Scan# 898
Delta R.T. -0.000 min
Lab File: V22220323A24.D
Acq: 23 Mar 2022 06:49 pm

Tgt Ion:166 Resp: 1343

Ion	Ratio	Lower	Upper
166	100		
168	45.9	27.8	67.8
94	38.3	16.7	56.7



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2	Method	: V122_220128N_8260D.m
Data File	: V22220323A24.D	Operator	: VOA122:KJD
Date Inj'd	: 3/23/2022 6:49 pm	Instrument	: VOA122
Sample	: L2214084-08,31,10,10,,A	Quant Date	: 3/23/2022 7:48 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A25.D
Acq On : 23 Mar 2022 07:13 pm
Operator : VOA122:KJD
Sample : L2214084-10,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 24 10:48:15 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.602	96	193820	10.000	ug/L	0.00
Standard Area 1 = 208471			Recovery = 92.97%			
62) Chlorobenzene-d5	9.107	117	187240	10.000	ug/L	0.00
Standard Area 1 = 173941			Recovery = 107.65%			
83) 1,4-Dichlorobenzene-d4	11.908	152	108783	10.000	ug/L	0.00
Standard Area 1 = 105828			Recovery = 102.79%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.802	113	75781	12.373	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 123.73%			
46) 1,2-Dichloroethane-d4	5.314	65	68632	11.425	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.25%			
63) Toluene-d8	7.276	98	217388	9.415	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.15%			
87) 4-Bromofluorobenzene	10.654	95	85002	8.652	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.52%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	1.679	62	174156	34.922	ug/L	99
5) Bromomethane	1.951	94	86	N.D.		
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.648	96	751	0.184	ug/L #	76
11) Carbon disulfide	0.000		0	N.D. d		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.227	43	732	Below Cal	#	66
18) trans-1,2-Dichloroethene	3.310	96	1188	0.269	ug/L	91
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.370	96	620250	124.448	ug/L	86
31) 2,2-Dichloropropane	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	4.628	83	412	N.D.		

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A25.D
Acq On : 23 Mar 2022 07:13 pm
Operator : VOA122:KJD
Sample : L2214084-10,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 24 10:48:15 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	0.000		0	N.D.		
42) 1,1-Dichloropropene	0.000		0	N.D.		
44) Benzene	5.189	78	3105	0.207	ug/L #	89
47) 1,2-Dichloroethane	5.388	62	143	N.D.		
51) Trichloroethene	5.779	95	18041	4.308	ug/L	97
53) Dibromomethane	0.000		0	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	7.335	92	539	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	7.777	166	52571	9.204	ug/L	95
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	8.020	83	151	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
73) 1,3-Dichloropropane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	9.131	112	562	N.D.		
78) Ethylbenzene	9.195	91	520	N.D.		
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
80) p/m Xylene	9.377	106	100	N.D.		
81) o Xylene	9.924	106	451	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	10.329	105	1822	N.D.		
88) Bromobenzene	0.000		0	N.D.		
89) n-Propylbenzene	0.000		0	N.D.	d	
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
92) 4-Ethyltoluene	10.955	105	85	N.D.		
93) 2-Chlorotoluene	0.000		0	N.D.		
94) 1,3,5-Trimethylbenzene	11.066	105	100	N.D.		
95) 1,2,3-Trichloropropane	0.000		0	N.D.		
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d	
97) 4-Chlorotoluene	0.000		0	N.D.		
98) tert-Butylbenzene	11.414	119	4669	0.297	ug/L	95

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A25.D
Acq On : 23 Mar 2022 07:13 pm
Operator : VOA122:KJD
Sample : L2214084-10,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 24 10:48:15 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.505	105	141	N.D.		
102) sec-Butylbenzene	11.609	105	4183	0.150	ug/L #	1
103) p-Isopropyltoluene	0.000		0	N.D.	d	
104) 1,3-Dichlorobenzene	0.000		0	N.D.	d	
105) 1,4-Dichlorobenzene	11.922	146	599	N.D.		
106) p-Diethylbenzene	0.000		0	N.D.	d	
107) n-Butylbenzene	12.096	91	646	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
109) 1,2,4,5-Tetramethylben...	12.966	119	416	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
112) Hexachlorobutadiene	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
114) Naphthalene	14.101	128	1381	0.089	ug/L	100
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

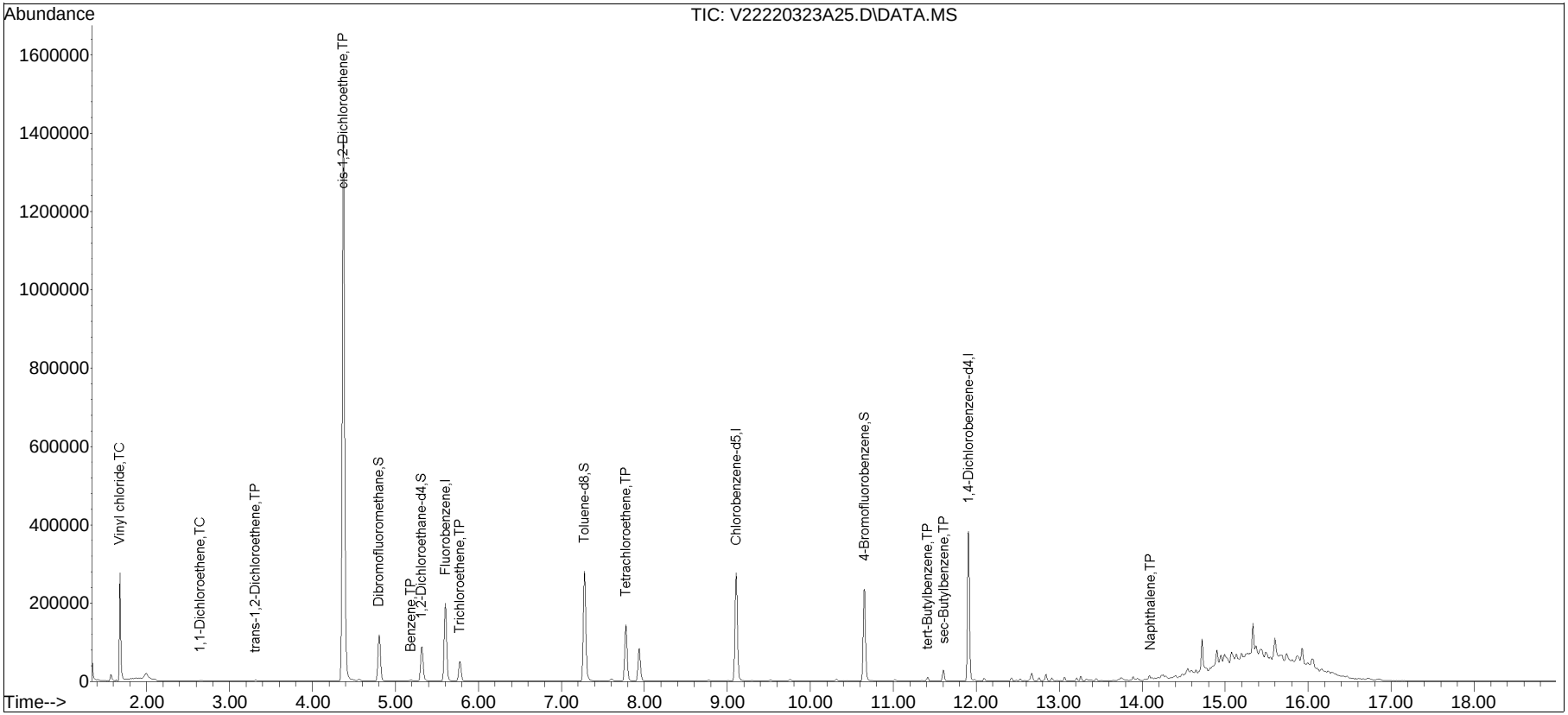
(#) = qualifier out of range (m) = manual integration (+) = signals summed

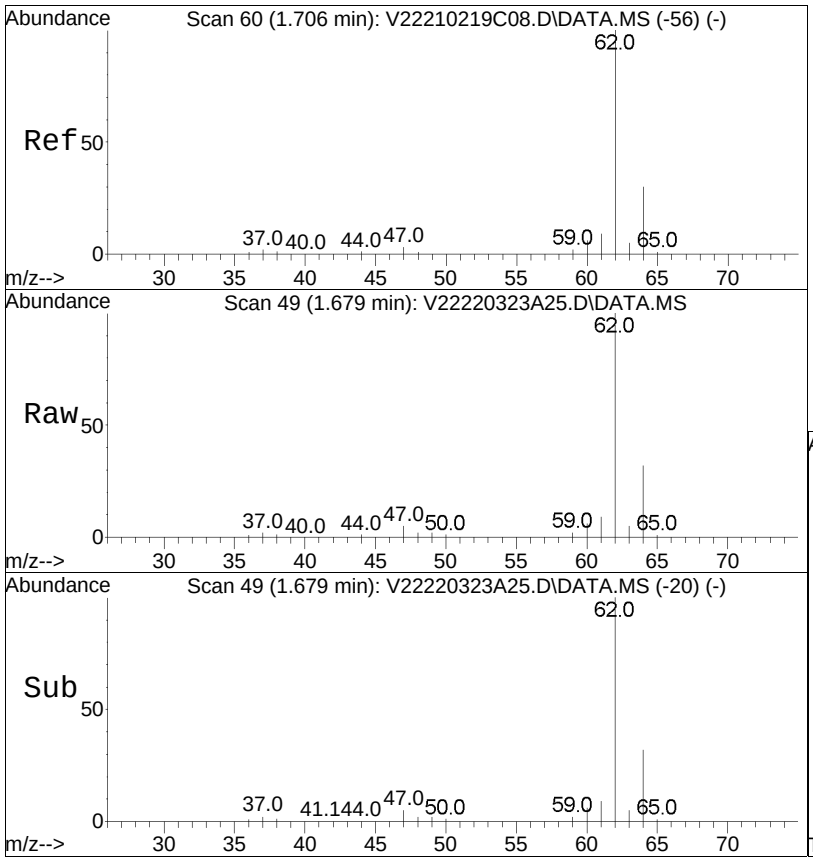
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A25.D
Acq On : 23 Mar 2022 07:13 pm
Operator : VOA122:KJD
Sample : L2214084-10,31,10,10,,A
Misc : WG1619277,ICAL18716
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 24 10:48:15 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20323A\\V22220323A01.D•

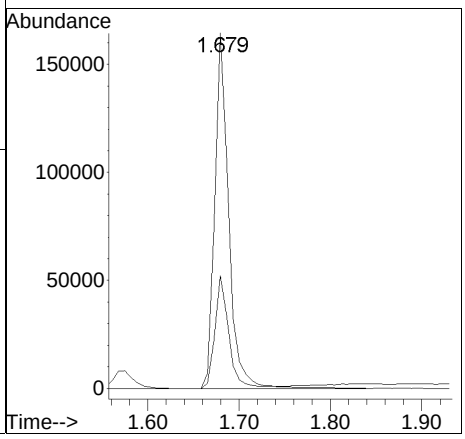


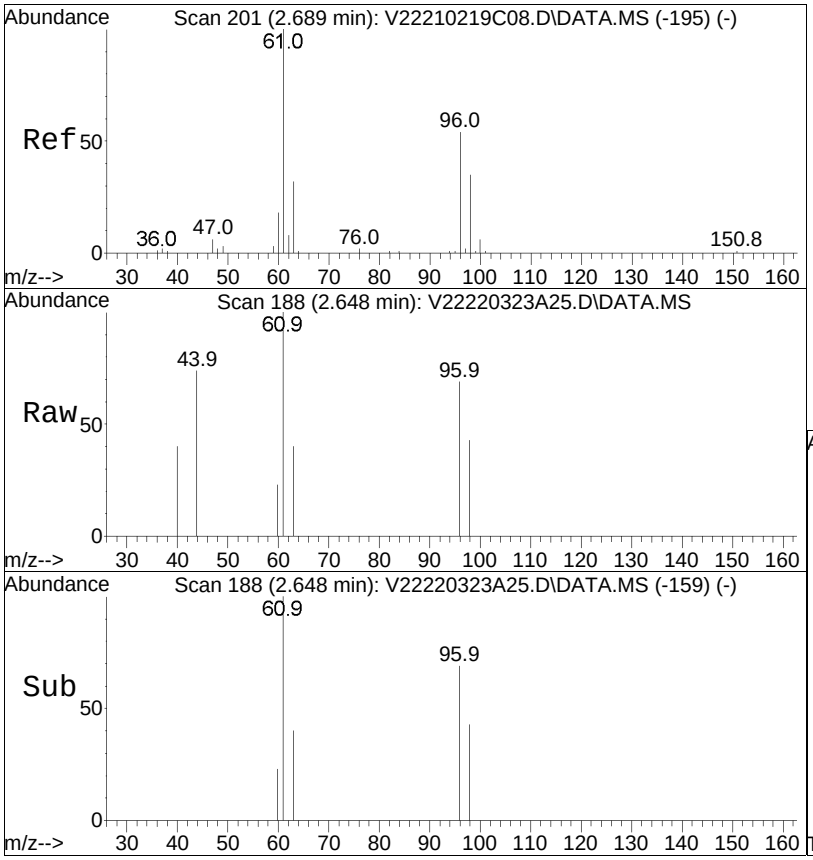


#4
Vinyl chloride
Concen: 34.92 ug/L
RT: 1.679 min Scan# 49
Delta R.T. 0.000 min
Lab File: V22220323A25.D
Acq: 23 Mar 2022 07:13 pm

Tgt Ion: 62 Resp: 174156

Ion	Ratio	Lower	Upper
62	100		
64	31.4	12.0	52.0

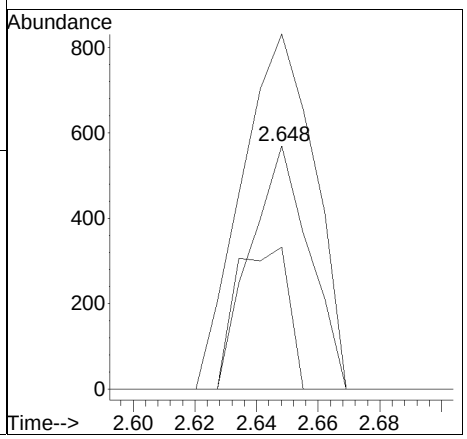


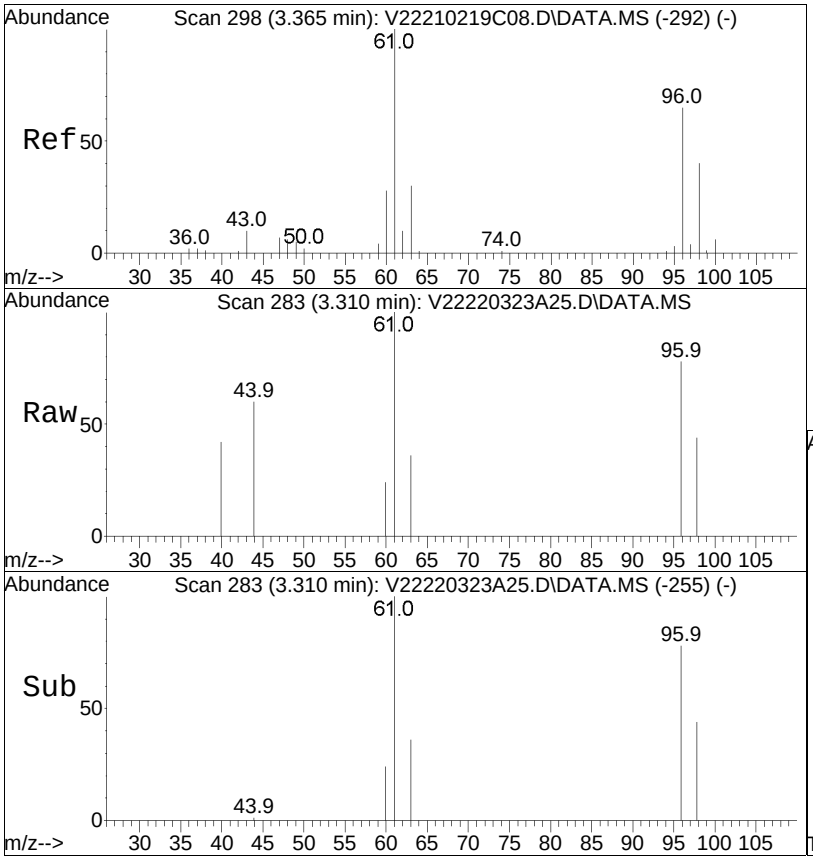


#10
1,1-Dichloroethene
Concen: 0.18 ug/L
RT: 2.648 min Scan# 188
Delta R.T. 0.000 min
Lab File: V22220323A25.D
Acq: 23 Mar 2022 07:13 pm

Tgt Ion: 96 Resp: 751

Ion	Ratio	Lower	Upper
96	100		
61	181.9	117.0	175.4#
63	52.5	37.8	56.6

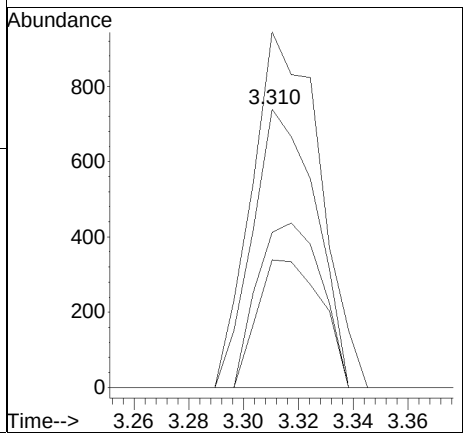


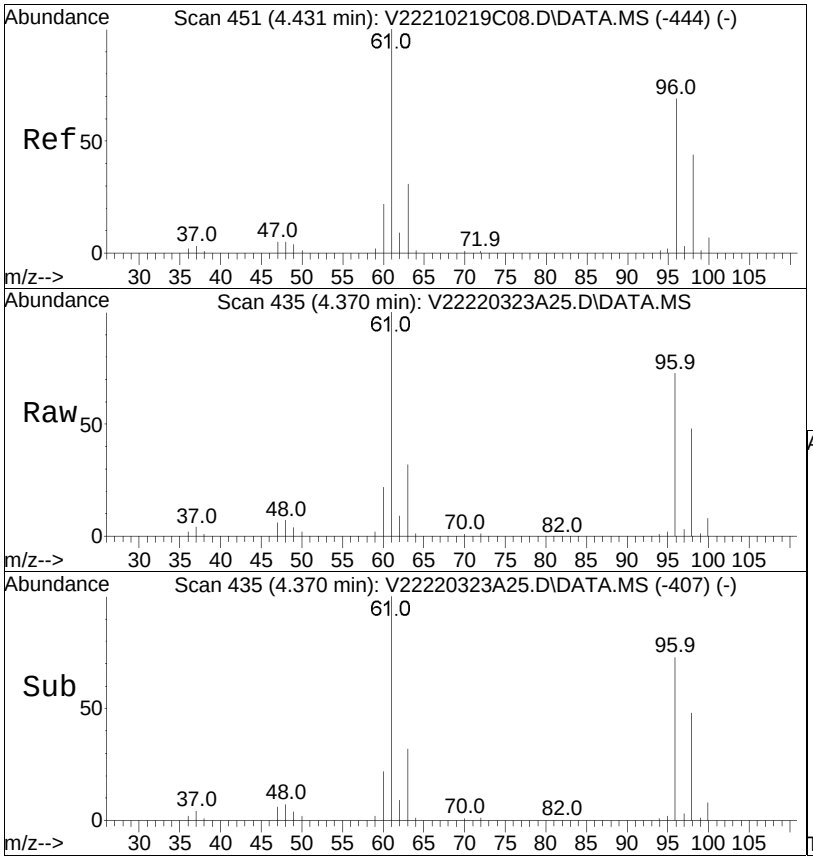


#18
trans-1,2-Dichloroethene
Concen: 0.27 ug/L
RT: 3.310 min Scan# 283
Delta R.T. -0.007 min
Lab File: V22220323A25.D
Acq: 23 Mar 2022 07:13 pm

Tgt Ion: 96 Resp: 1188

Ion	Ratio	Lower	Upper
96	100		
61	137.1	81.6	169.6
98	59.9	41.8	86.8
63	46.3	26.3	54.7

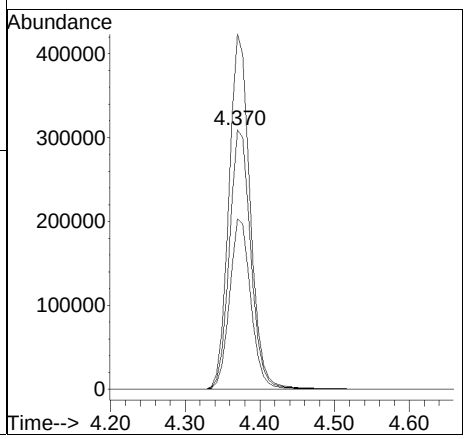


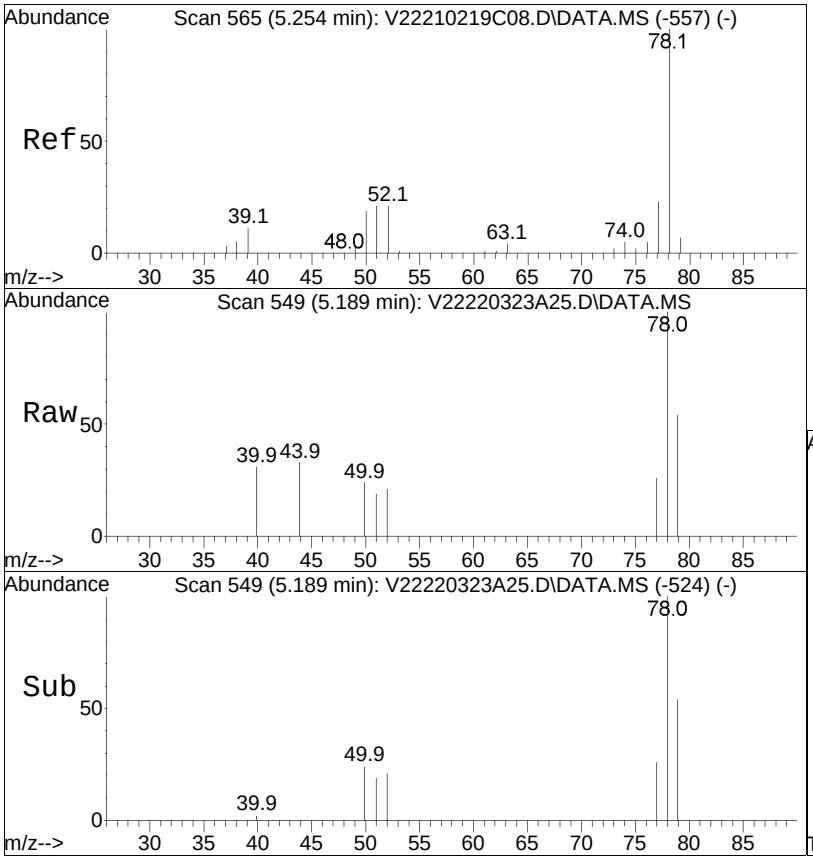


#30
cis-1,2-Dichloroethene
Concen: 124.45 ug/L
RT: 4.370 min Scan# 435
Delta R.T. -0.007 min
Lab File: V22220323A25.D
Acq: 23 Mar 2022 07:13 pm

Tgt Ion: 96 Resp: 620250

Ion	Ratio	Lower	Upper
96	100		
61	135.1	90.3	135.5
98	64.9	50.8	76.2

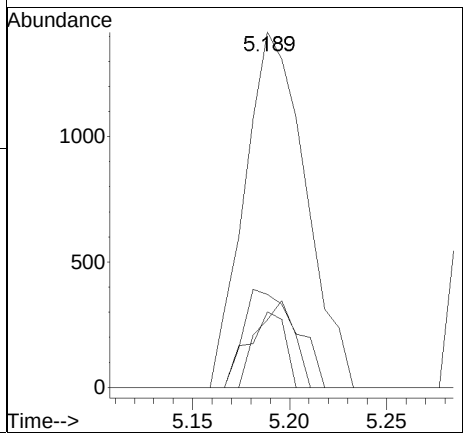


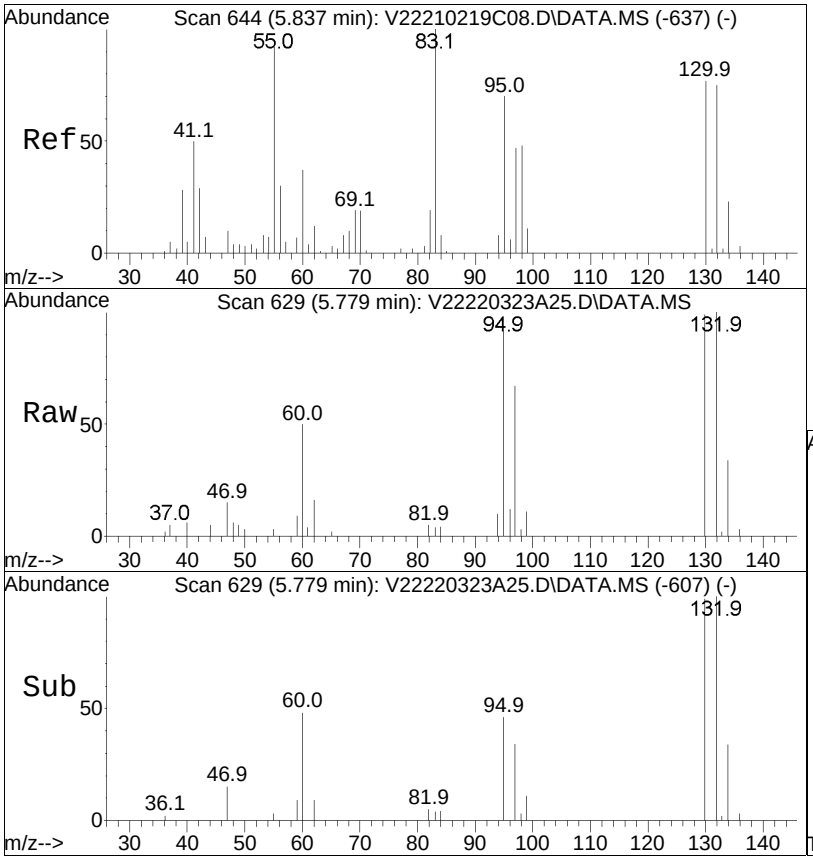


#44
Benzene
Concen: 0.21 ug/L
RT: 5.189 min Scan# 549
Delta R.T. 0.001 min
Lab File: V22220323A25.D
Acq: 23 Mar 2022 07:13 pm

Tgt Ion: 78 Resp: 3105

Ion	Ratio	Lower	Upper
78	100		
77	23.7	15.4	32.0
51	0.0	9.8	20.4#
52	13.0	9.2	19.2

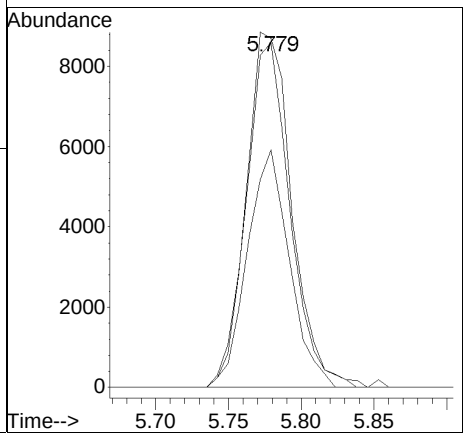


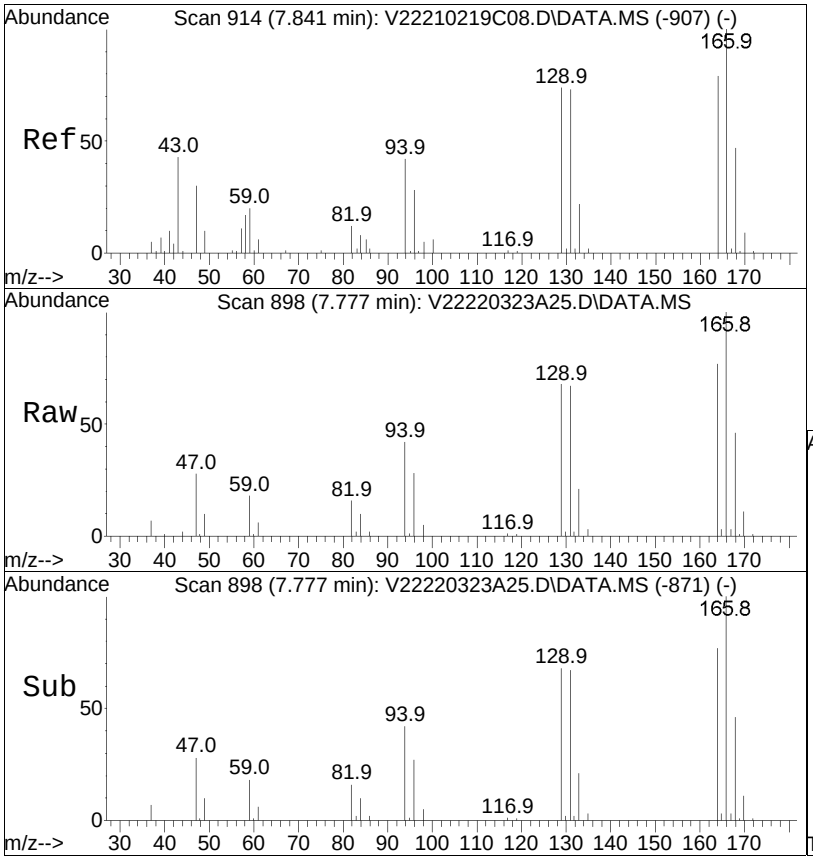


#51
Trichloroethene
Concen: 4.31 ug/L
RT: 5.779 min Scan# 629
Delta R.T. 0.000 min
Lab File: V22220323A25.D
Acq: 23 Mar 2022 07:13 pm

Tgt Ion: 95 Resp: 18041

Ion	Ratio	Lower	Upper
95	100		
97	66.2	55.0	82.4
130	107.5	89.2	133.8

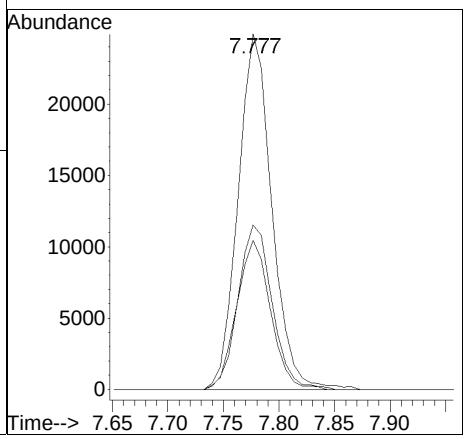


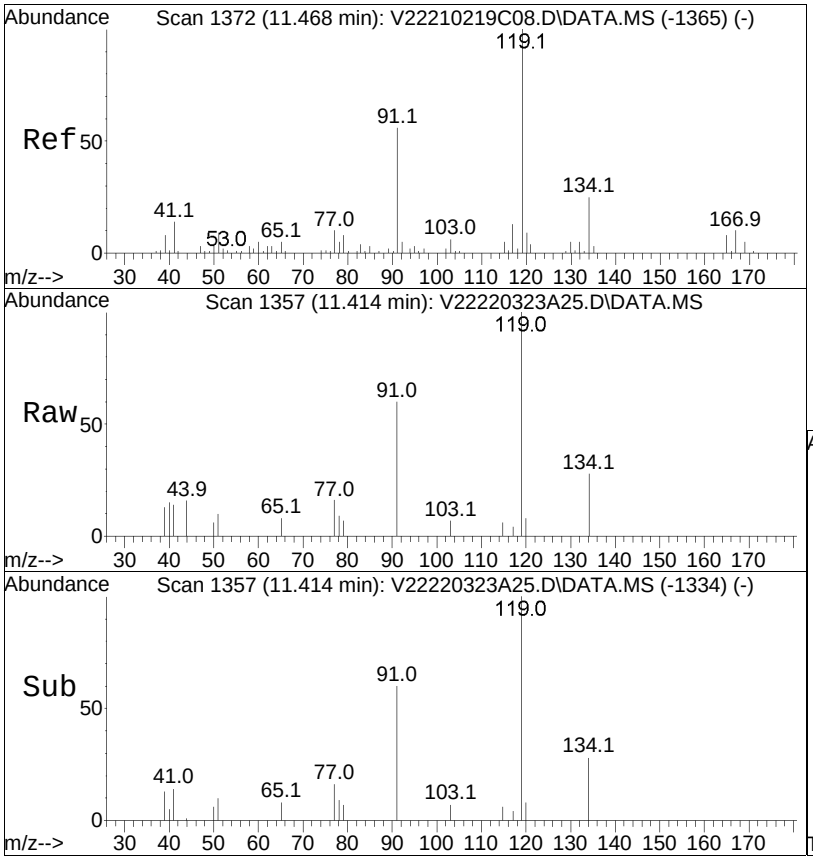


#66
Tetrachloroethene
Concen: 9.20 ug/L
RT: 7.777 min Scan# 898
Delta R.T. -0.000 min
Lab File: V22220323A25.D
Acq: 23 Mar 2022 07:13 pm

Tgt Ion:166 Resp: 52571

Ion	Ratio	Lower	Upper
166	100		
168	46.9	27.8	67.8
94	41.9	16.7	56.7

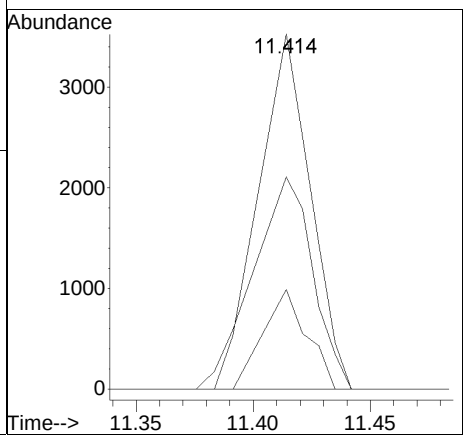


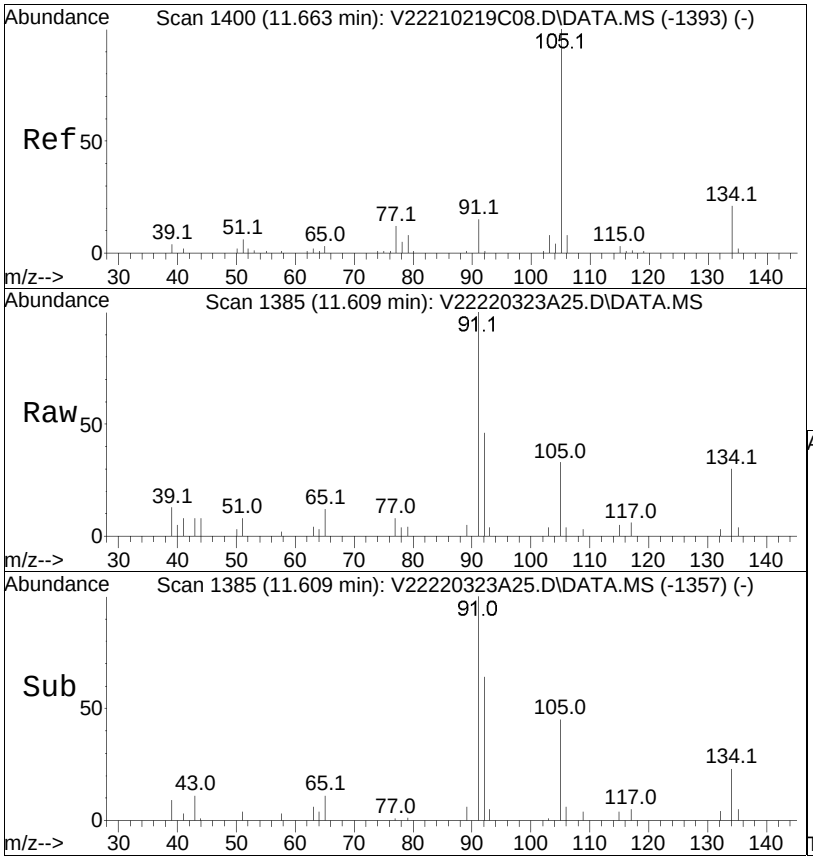


#98
tert-Butylbenzene
Concen: 0.30 ug/L
RT: 11.414 min Scan# 1357
Delta R.T. 0.000 min
Lab File: V22220323A25.D
Acq: 23 Mar 2022 07:13 pm

Tgt Ion:119 Resp: 4669

Ion	Ratio	Lower	Upper
119	100		
91	67.8	50.2	75.4
134	24.8	20.8	31.2

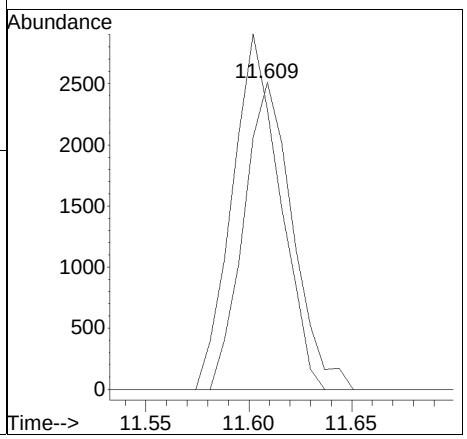


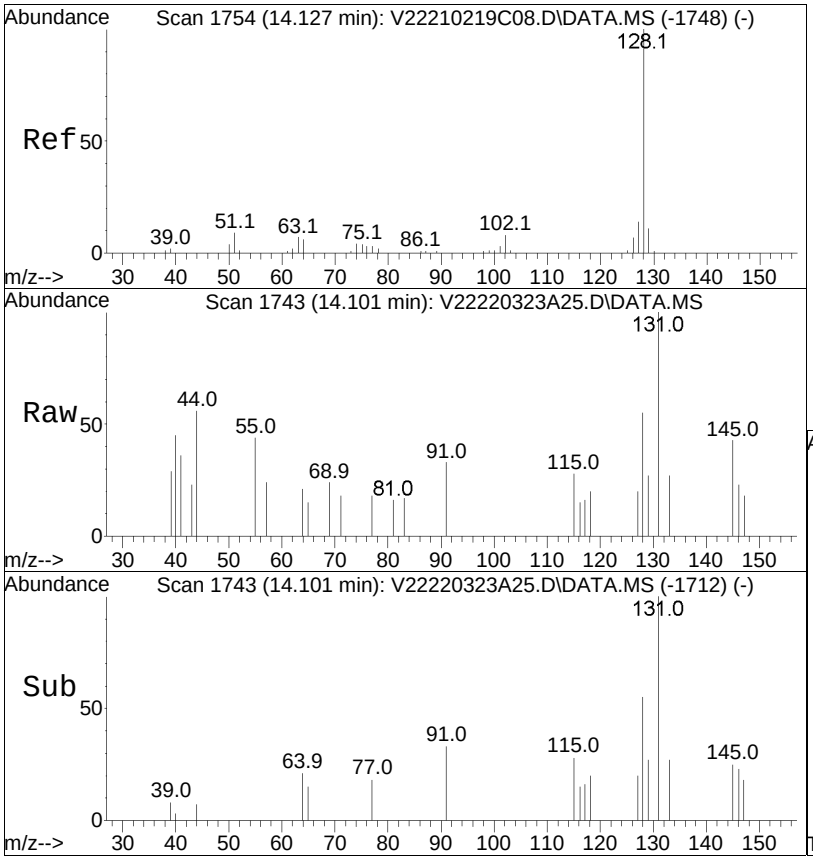


#102
sec-Butylbenzene
Concen: 0.15 ug/L
RT: 11.609 min Scan# 1385
Delta R.T. -0.000 min
Lab File: V22220323A25.D
Acq: 23 Mar 2022 07:13 pm

Tgt Ion:105 Resp: 4183

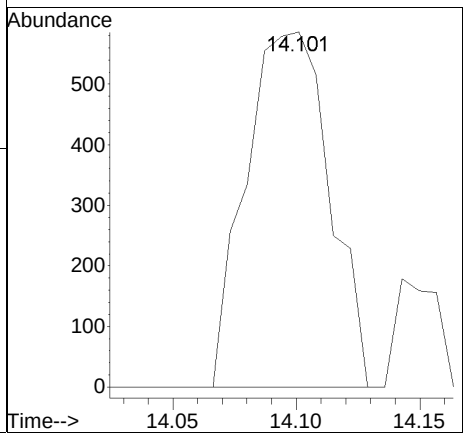
Ion	Ratio	Lower	Upper
105	100		
134	112.1	13.9	28.9#





#114
Naphthalene
Concen: 0.09 ug/L
RT: 14.101 min Scan# 1743
Delta R.T. 0.014 min
Lab File: V22220323A25.D
Acq: 23 Mar 2022 07:13 pm

Tgt Ion:128 Resp: 1381



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2	QMethod	: V122_220128N_8260D.m
Data File	: V22220323A25.D	Operator	: VOA122:KJD
Date Inj'd	: 3/23/2022 7:13 pm	Instrument	: VOA122
Sample	: L2214084-10,31,10,10,,A	Quant Date	: 3/23/2022 7:48 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A15.D
Acq On : 24 Mar 2022 11:46 am
Operator : ELAINE:PD
Sample : L2214084-03,31,10,10,,C
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 20:03:51 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.312	96	168732	10.000 ug/L	0.00
Standard Area 1 = 180008			Recovery = 93.74%		
59) Chlorobenzene-d5	8.386	117	129323	10.000 ug/L	0.00
Standard Area 1 = 131992			Recovery = 97.98%		
79) 1,4-Dichlorobenzene-d4	9.894	152	68156	10.000 ug/L	0.00
Standard Area 1 = 68168			Recovery = 99.98%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.302	113	42826	10.351 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.51%		
43) 1,2-Dichloroethane-d4	4.958	65	52793	10.751 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.51%		
60) Toluene-d8	7.045	98	167158	9.861 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.61%		
83) 4-Bromofluorobenzene	9.221	95	63308	9.756 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.56%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	0.000		0	N.D. d	
4) Vinyl chloride	1.060	62	2779	0.786 ug/L #	1
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	1.775	76	3434	0.590 ug/L	94
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	2.287	43	715	0.979 ug/L #	74
18) trans-1,2-Dichloroethene	2.365	96	228	0.086 ug/L #	35
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	3.620	96	7813	2.569 ug/L	87
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A15.D
Acq On : 24 Mar 2022 11:46 am
Operator : ELAINE:PD
Sample : L2214084-03,31,10,10,,C
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 20:03:51 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	4.772	78	14281	1.233	ug/L	98
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	5.515	95	8538	3.027	ug/L	98
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.084	92	420	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.459	166	10693	3.736	ug/L	92
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D. d		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D. d		
73) Chlorobenzene	0.000		0	N.D. d		
74) Ethylbenzene	8.442	91	1117M3	0.083	ug/L	
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	8.550	106	248	N.D.		
77) o Xylene	8.834	106	134	N.D.		
78) Styrene	0.000		0	N.D. d		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.051	105	6076	0.462	ug/L	96
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	9.312	91	2457	0.164	ug/L #	88
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D. d		
88) 4-Ethyltoluene	9.382	105	1006	0.081	ug/L	97
89) 2-Chlorotoluene	0.000		0	N.D. d		
90) 1,3,5-Trimethylbenzene	0.000		0	N.D. d		
91) 1,2,3-Trichloropropane	0.000		0	N.D. d		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D. d		
93) 4-Chlorotoluene	0.000		0	N.D. d		
94) tert-Butylbenzene	9.624	119	1724	0.204	ug/L	92

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A15.D
Acq On : 24 Mar 2022 11:46 am
Operator : ELAINE:PD
Sample : L2214084-03,31,10,10,,C
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 20:03:51 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	1,2,4-Trimethylbenzene	0.000		0	N.D.	d		
98)	sec-Butylbenzene	9.730	105	4221	0.377	ug/L	#	68
99)	p-Isopropyltoluene	0.000		0	N.D.	d		
100)	1,3-Dichlorobenzene	9.852	146	264	N.D.			
101)	1,4-Dichlorobenzene	9.902	146	675	0.110	ug/L	#	4
102)	p-Diethylbenzene	10.036	119	288	N.D.			
103)	n-Butylbenzene	10.064	91	622	0.321	ug/L	#	84
104)	1,2-Dichlorobenzene	10.142	146	92	N.D.			
105)	1,2,4,5-Tetramethylben...	10.487	119	8999	1.003	ug/L		97
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
108)	Hexachlorobutadiene	0.000		0	N.D.			
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.			
110)	Naphthalene	11.157	128	2772	0.608	ug/L		100
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.			

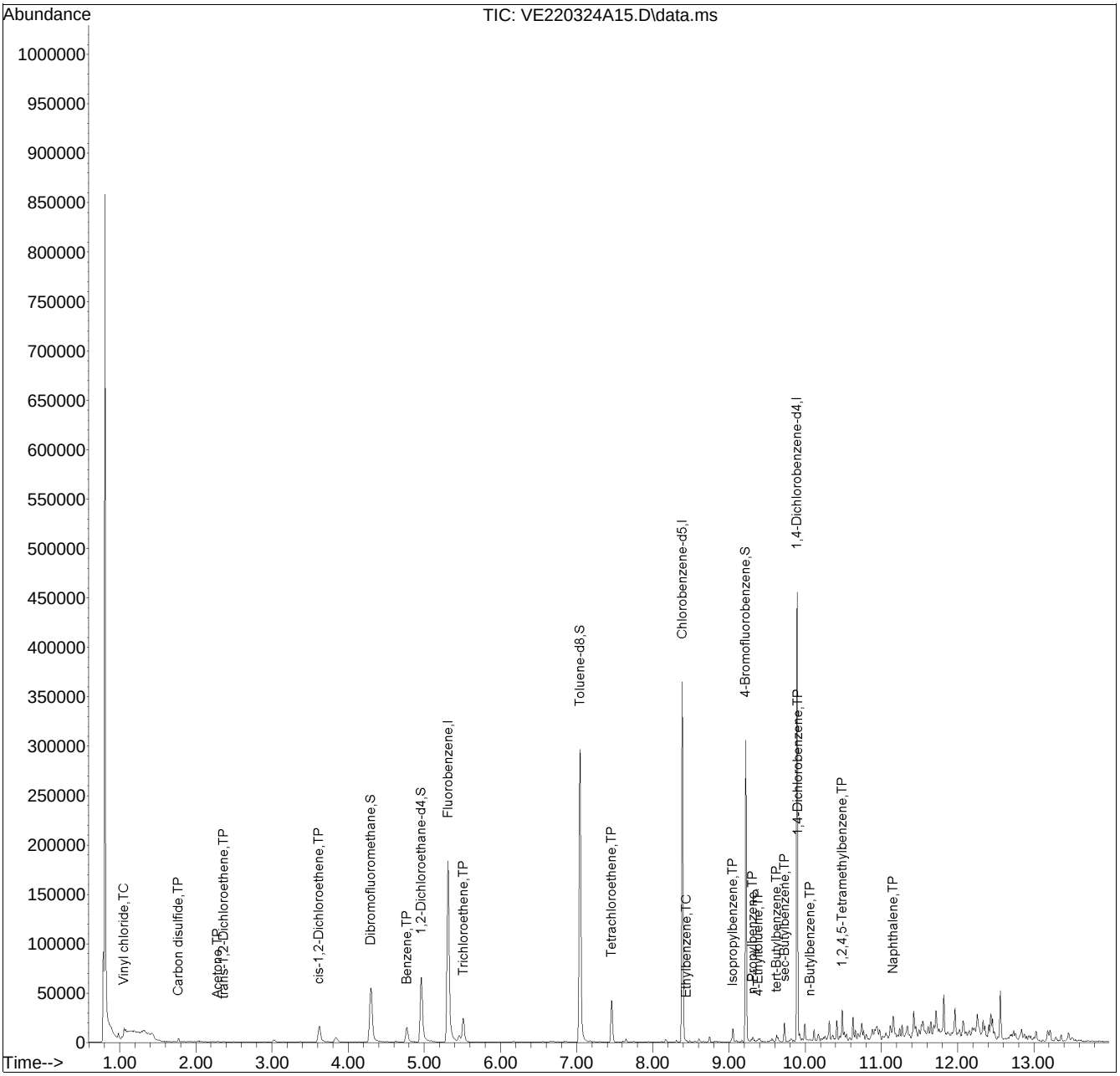
(#) = qualifier out of range (m) = manual integration (+) = signals summed

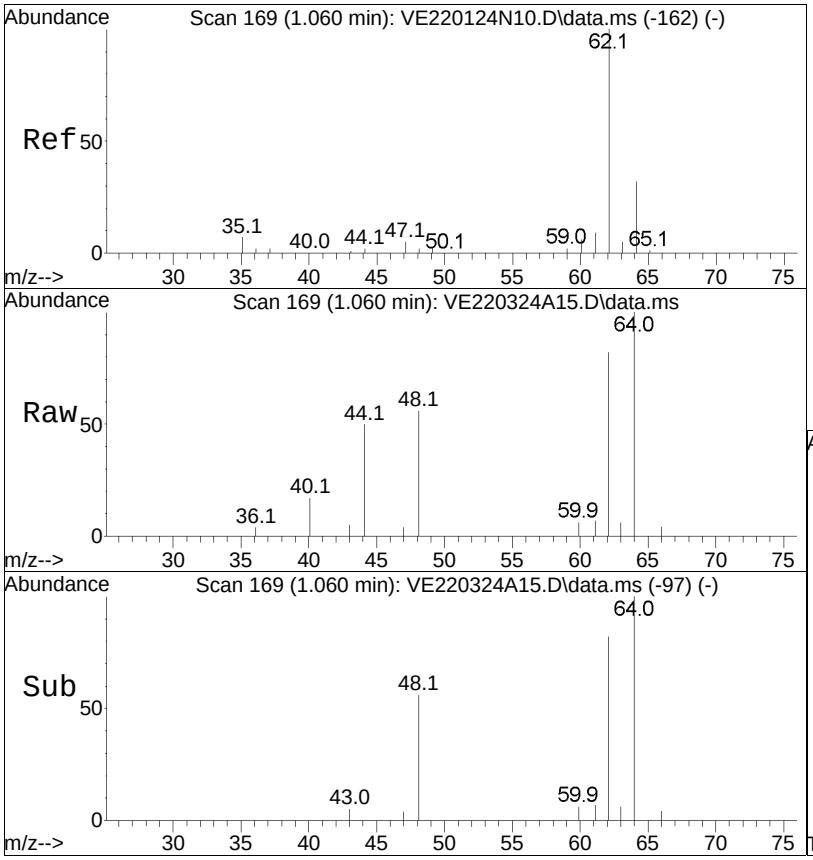
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A15.D
Acq On : 24 Mar 2022 11:46 am
Operator : ELAINE:PD
Sample : L2214084-03,31,10,10,,C
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 20:03:51 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20324A\VE220324A01.D•

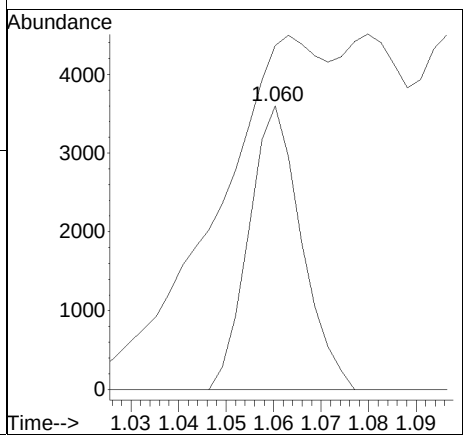


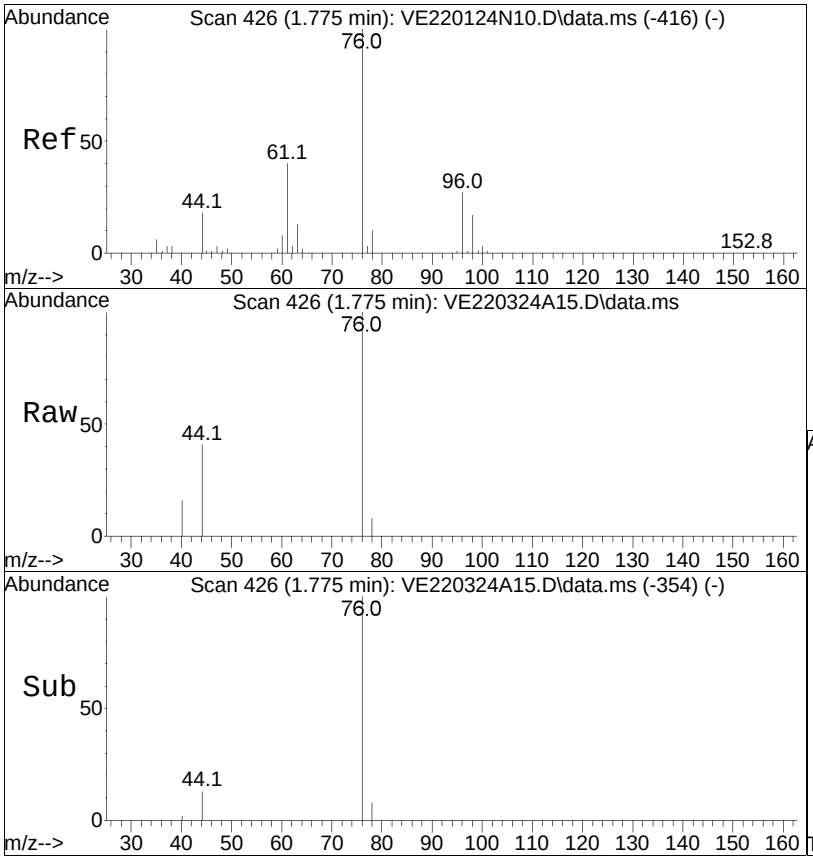


#4
Vinyl chloride
Concen: 0.79 ug/L
RT: 1.060 min Scan# 169
Delta R.T. 0.000 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion: 62 Resp: 2779

Ion	Ratio	Lower	Upper
62	100		
64	263.2	9.1	49.1#

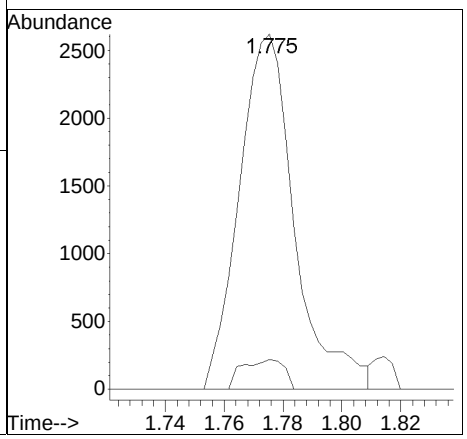


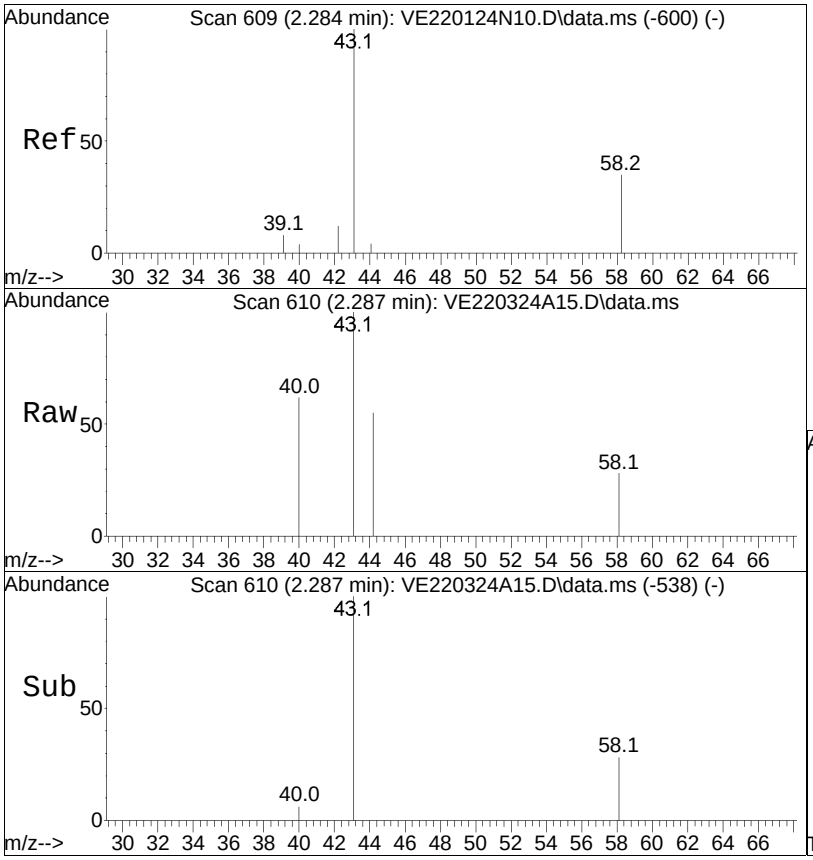


#11
Carbon disulfide
Concen: 0.59 ug/L
RT: 1.775 min Scan# 426
Delta R.T. 0.000 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion: 76 Resp: 3434

Ion	Ratio	Lower	Upper
76	100		
78	6.4	5.7	11.7

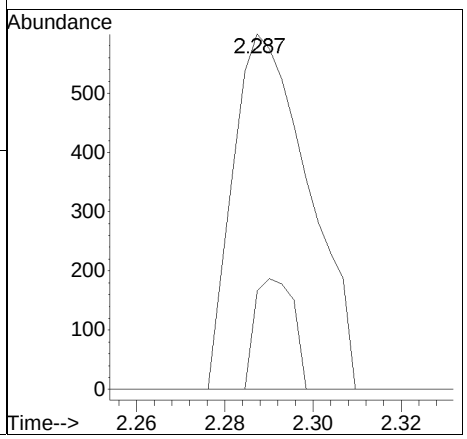


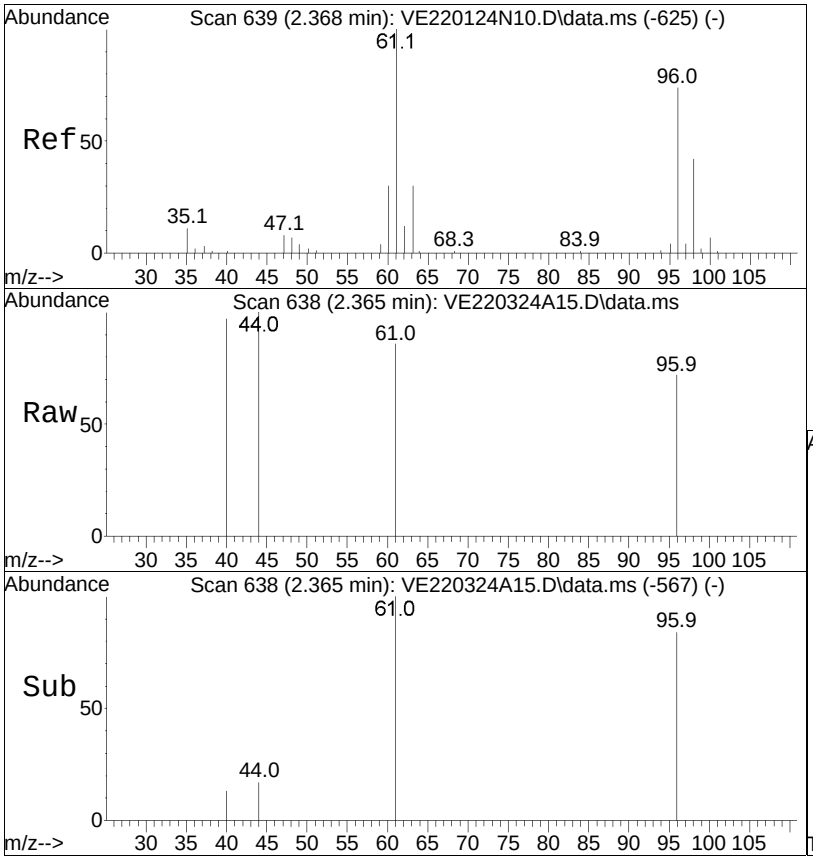


#17
Acetone
Concen: 0.98 ug/L
RT: 2.287 min Scan# 610
Delta R.T. 0.000 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion: 43 Resp: 715

Ion	Ratio	Lower	Upper
43	100		
58	15.9	24.2	36.4#

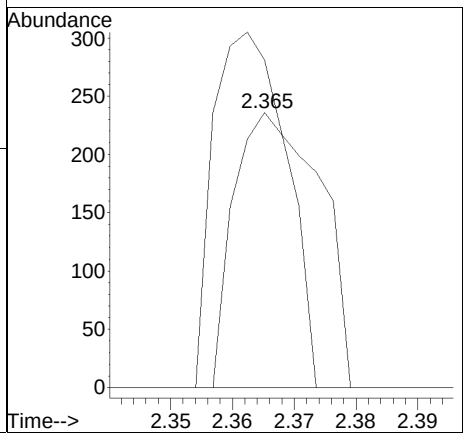


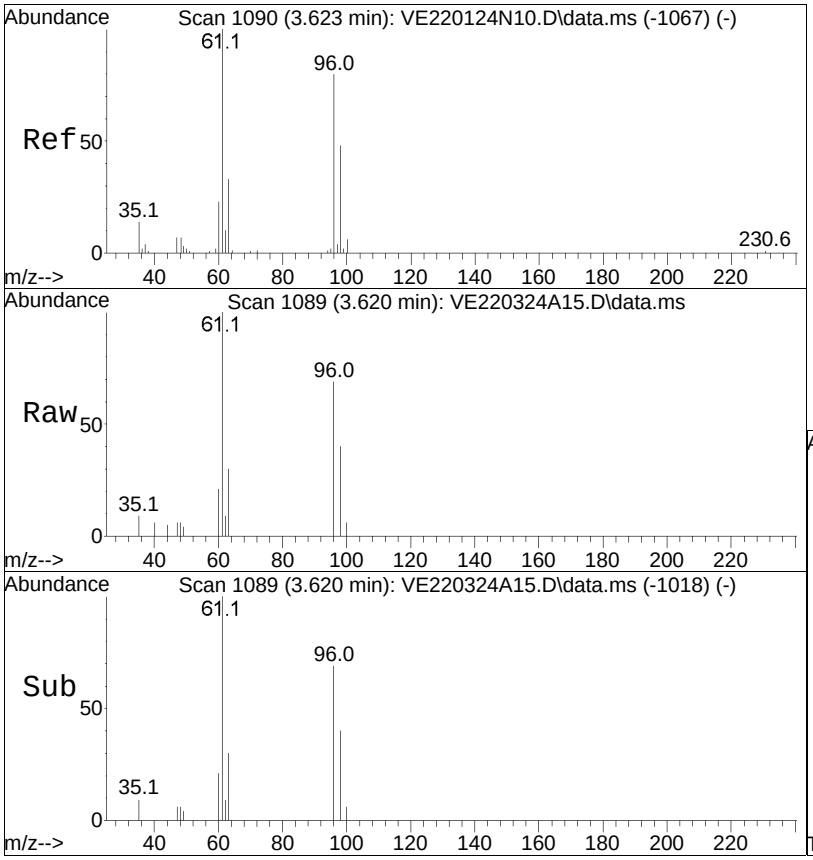


#18
trans-1,2-Dichloroethene
Concen: 0.09 ug/L
RT: 2.365 min Scan# 638
Delta R.T. -0.003 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion: 96 Resp: 228

Ion	Ratio	Lower	Upper
96	100		
61	109.2	124.0	257.6#
98	0.0	41.2	85.6#
63	0.0	38.4	79.7#

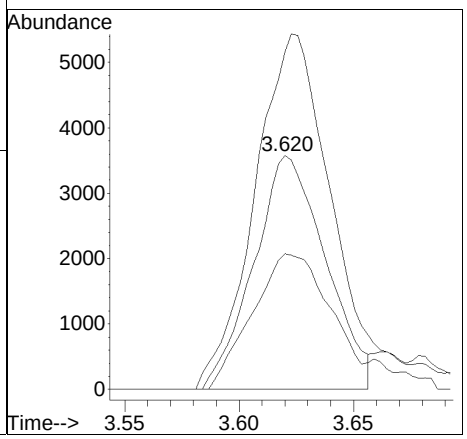


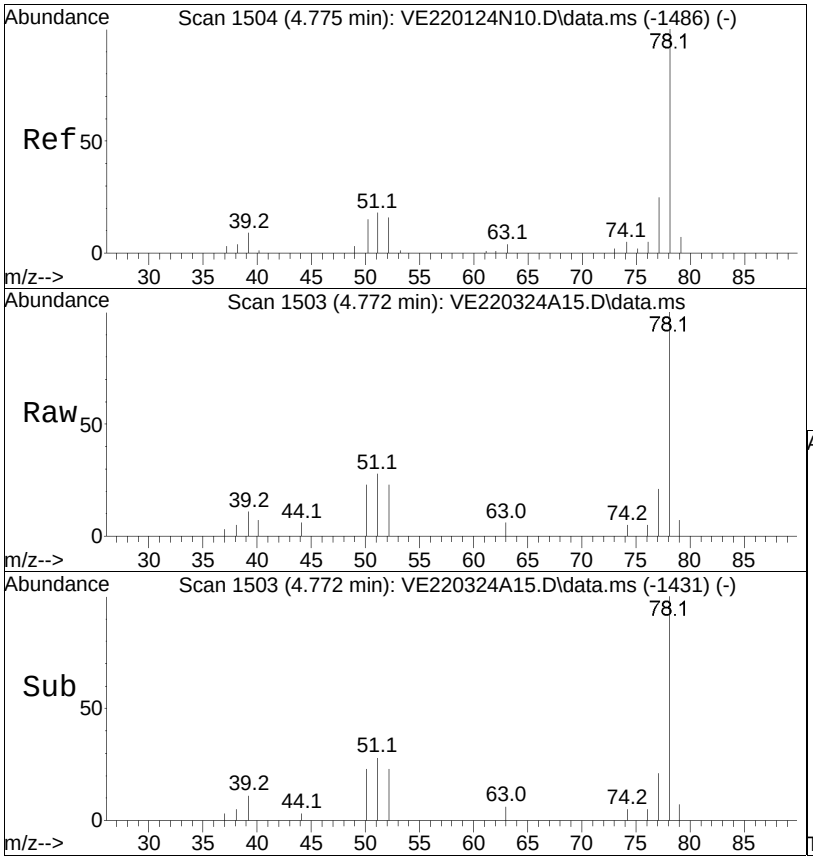


#28
cis-1,2-Dichloroethene
Concen: 2.57 ug/L
RT: 3.620 min Scan# 1089
Delta R.T. -0.003 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion: 96 Resp: 7813

Ion	Ratio	Lower	Upper
96	100		
61	164.1	149.4	224.2
98	63.6	53.4	80.2

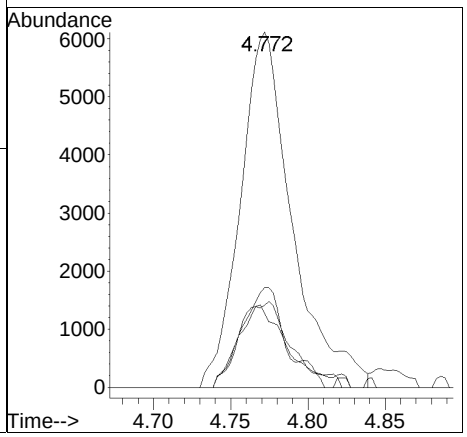


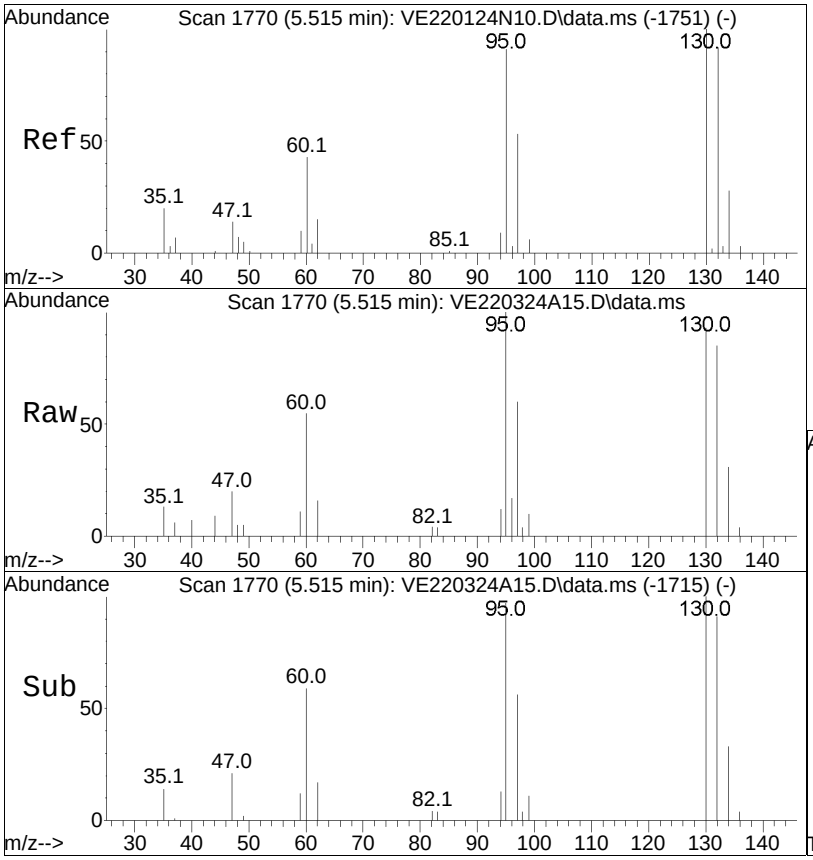


#41
Benzene
Concen: 1.23 ug/L
RT: 4.772 min Scan# 1503
Delta R.T. -0.000 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion: 78 Resp: 14281

Ion	Ratio	Lower	Upper
78	100		
77	21.5	15.7	32.7
51	24.7	16.0	33.2
52	24.3	15.3	31.9

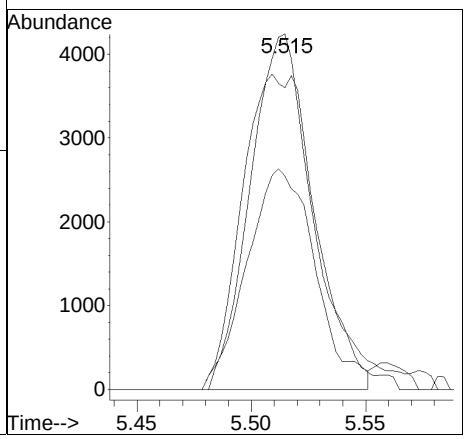


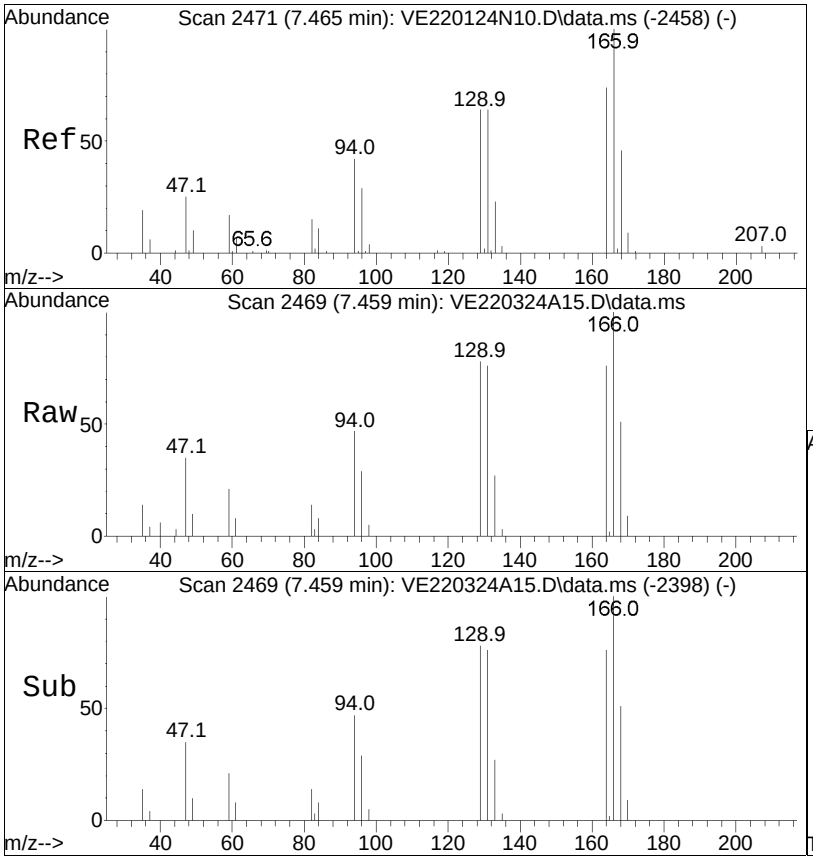


#48
Trichloroethene
Concen: 3.03 ug/L
RT: 5.515 min Scan# 1770
Delta R.T. 0.003 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion: 95 Resp: 8538

Ion	Ratio	Lower	Upper
95	100		
97	65.4	55.5	83.3
132	96.0	76.6	115.0

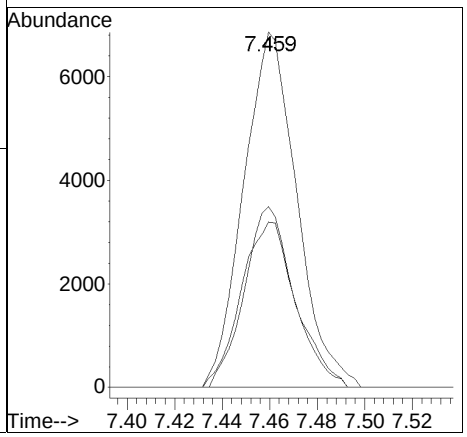


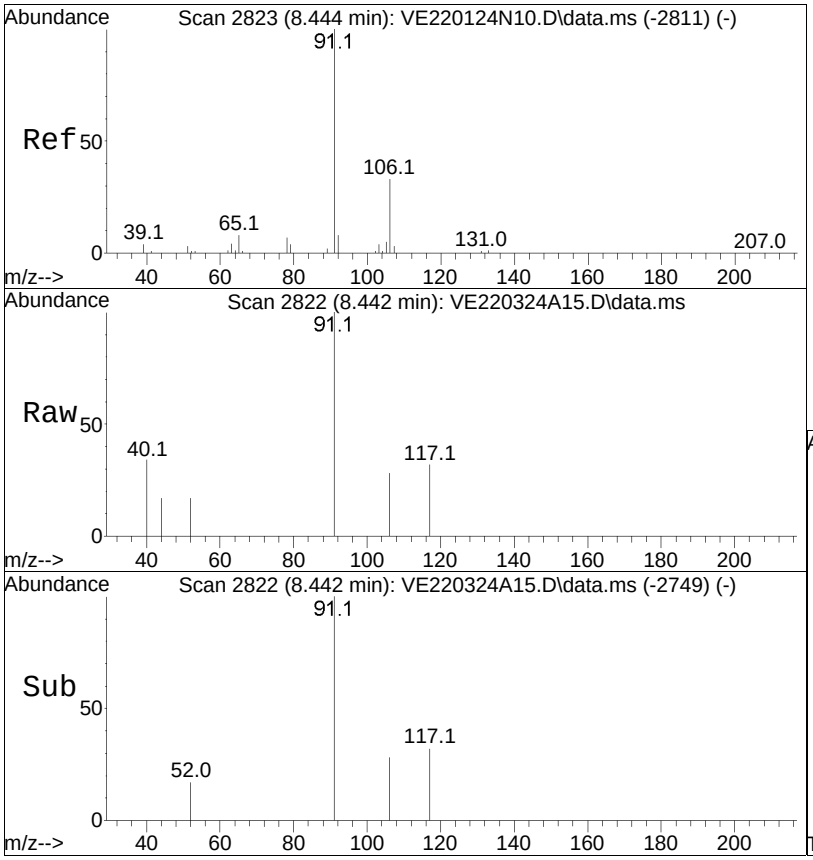


#63
Tetrachloroethene
Concen: 3.74 ug/L
RT: 7.459 min Scan# 2469
Delta R.T. -0.003 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion:166 Resp: 10693

Ion	Ratio	Lower	Upper
166	100		
168	48.2	28.2	68.2
94	47.5	38.4	78.4

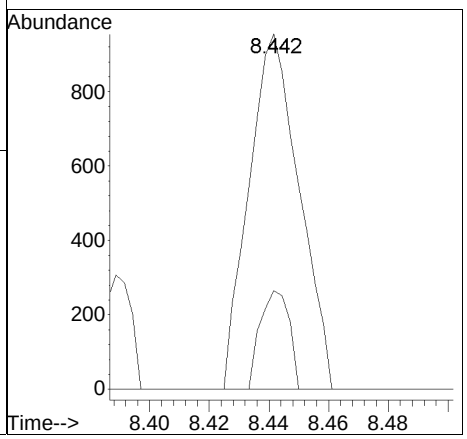


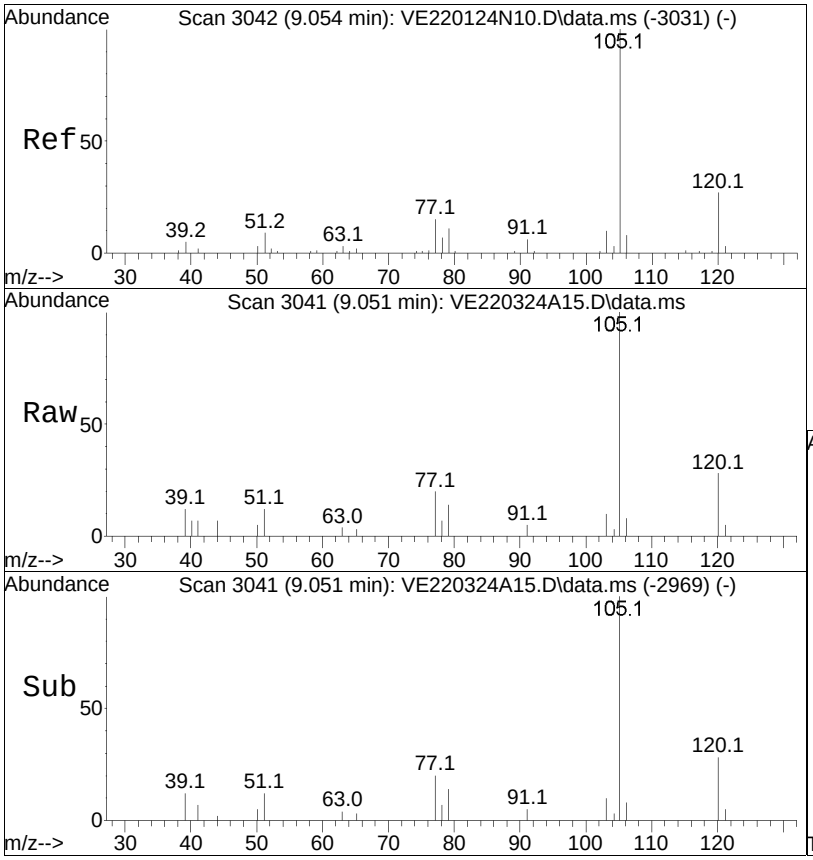


#74
Ethylbenzene
Concen: 0.08 ug/L M3
RT: 8.442 min Scan# 2822
Delta R.T. 0.003 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion: 91 Resp: 1117

Ion	Ratio	Lower	Upper
91	100		
106	16.0	24.3	36.5#

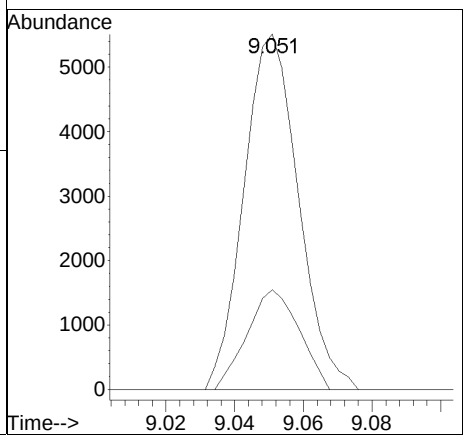


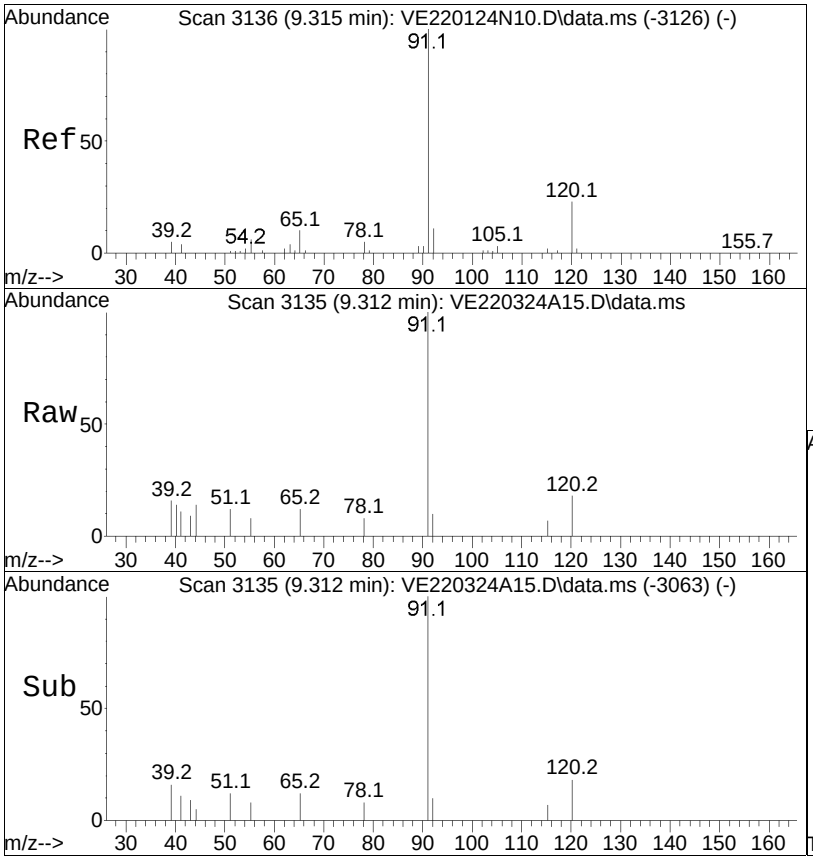


#82
Isopropylbenzene
Concen: 0.46 ug/L
RT: 9.051 min Scan# 3041
Delta R.T. -0.000 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion:105 Resp: 6076

Ion	Ratio	Lower	Upper
105	100		
120	26.8	4.8	44.8

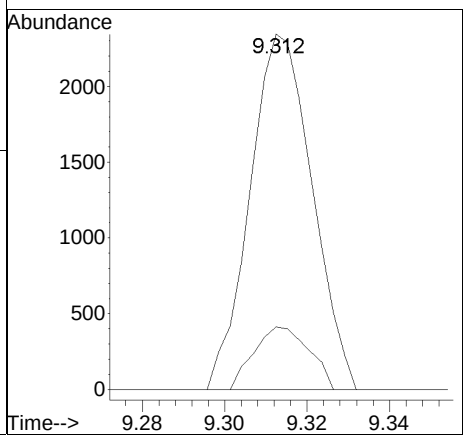


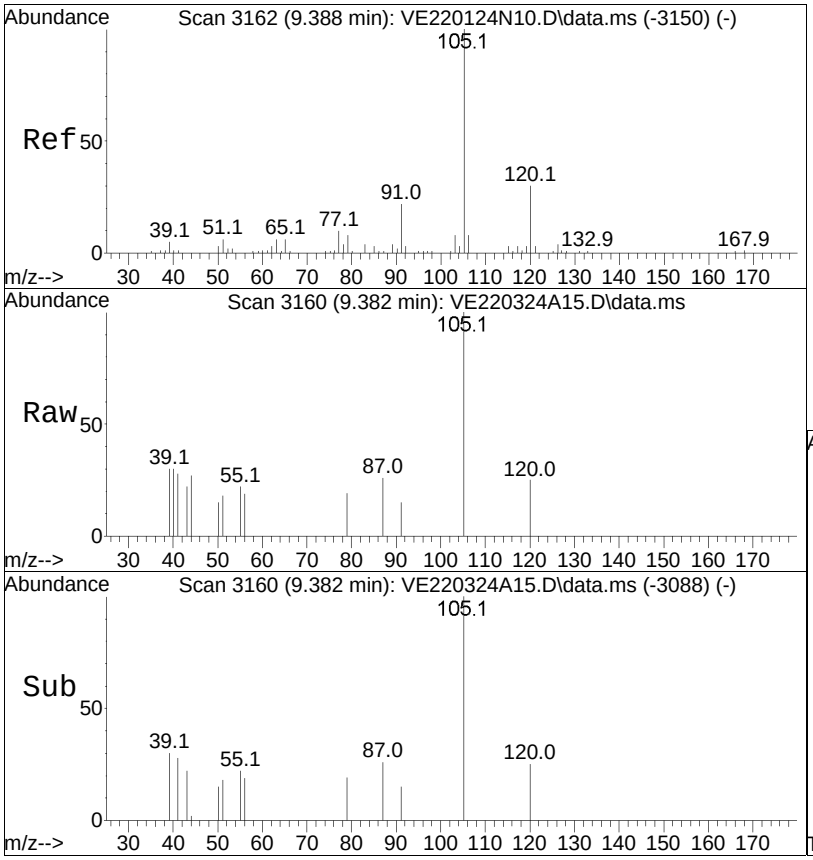


#85
n-Propylbenzene
Concen: 0.16 ug/L
RT: 9.312 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion: 91 Resp: 2457

Ion	Ratio	Lower	Upper
91	100		
120	15.6	17.0	25.6#

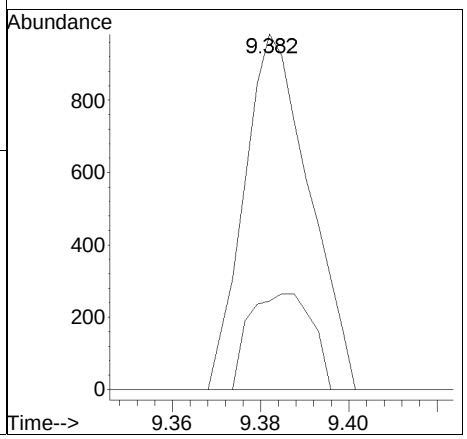


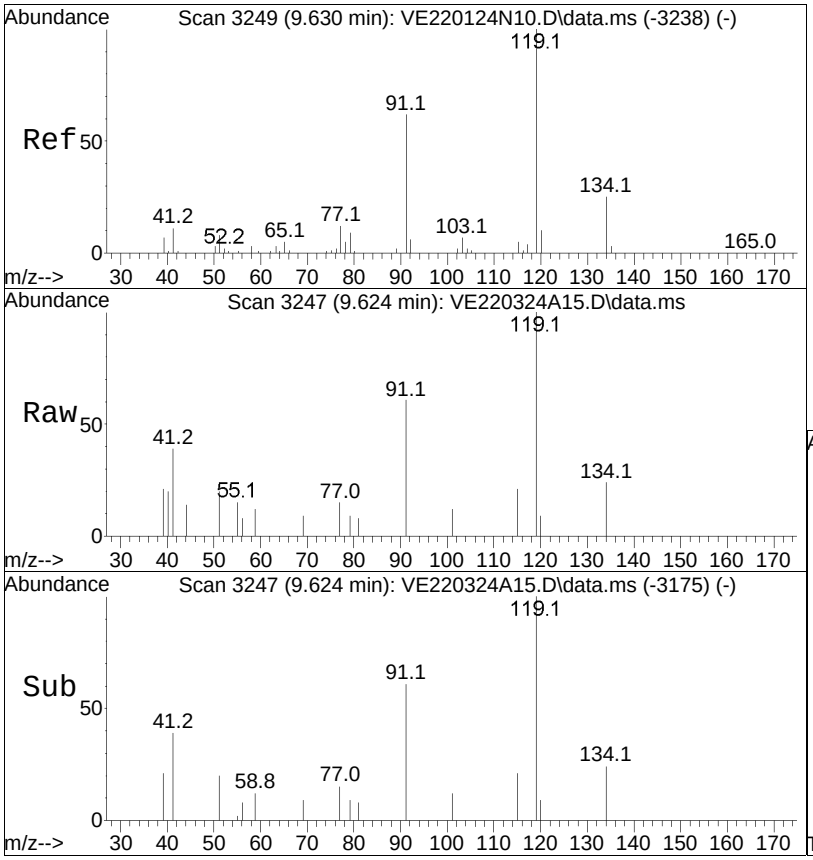


#88
4-Ethyltoluene
Concen: 0.08 ug/L
RT: 9.382 min Scan# 3160
Delta R.T. -0.000 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion:105 Resp: 1006

Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.1	37.7

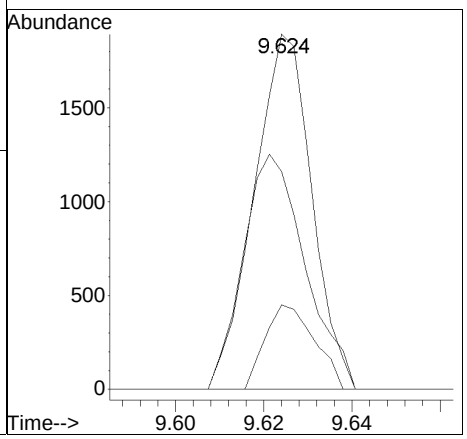


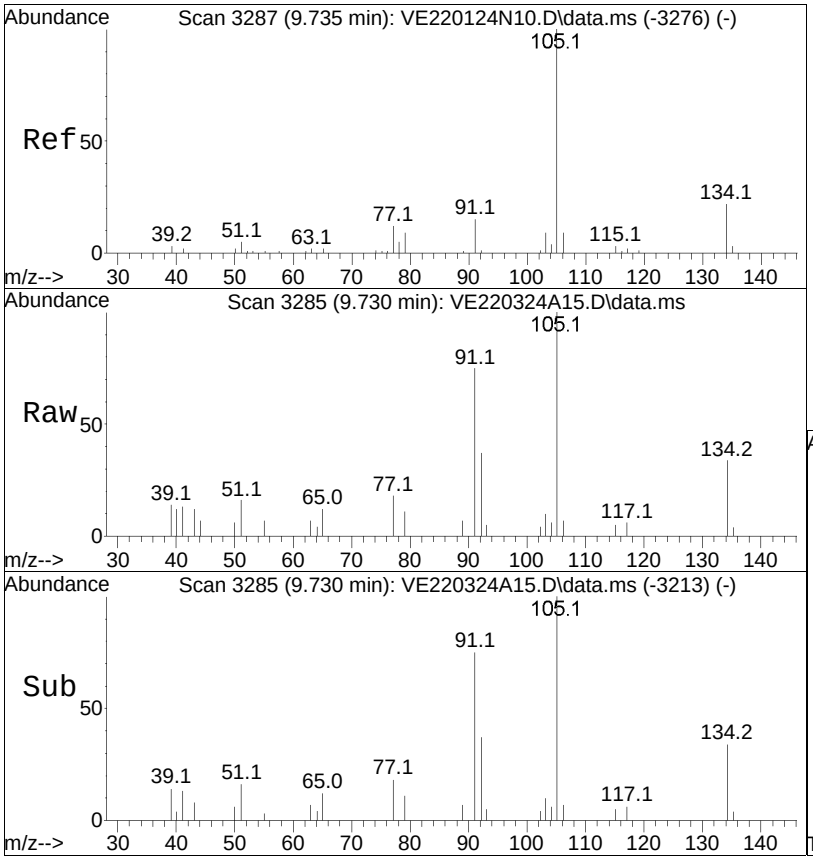


#94
tert-Butylbenzene
Concen: 0.20 ug/L
RT: 9.624 min Scan# 3247
Delta R.T. 0.000 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion:119 Resp: 1724

Ion	Ratio	Lower	Upper
119	100		
91	71.1	51.4	77.2
134	20.3	18.3	27.5

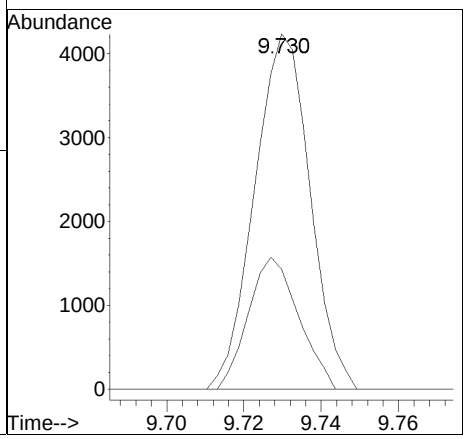


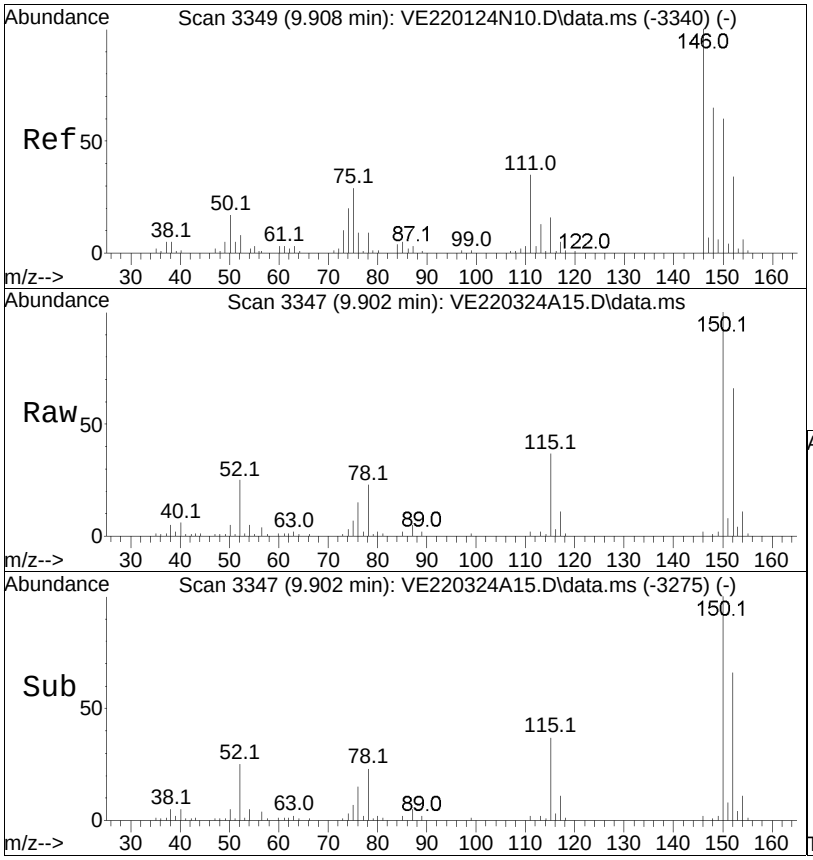


#98
sec-Butylbenzene
Concen: 0.38 ug/L
RT: 9.730 min Scan# 3285
Delta R.T. -0.000 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion:105 Resp: 4221

Ion	Ratio	Lower	Upper
105	100		
134	33.8	12.5	26.1#

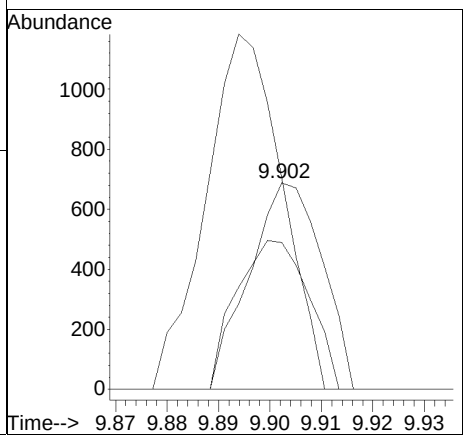


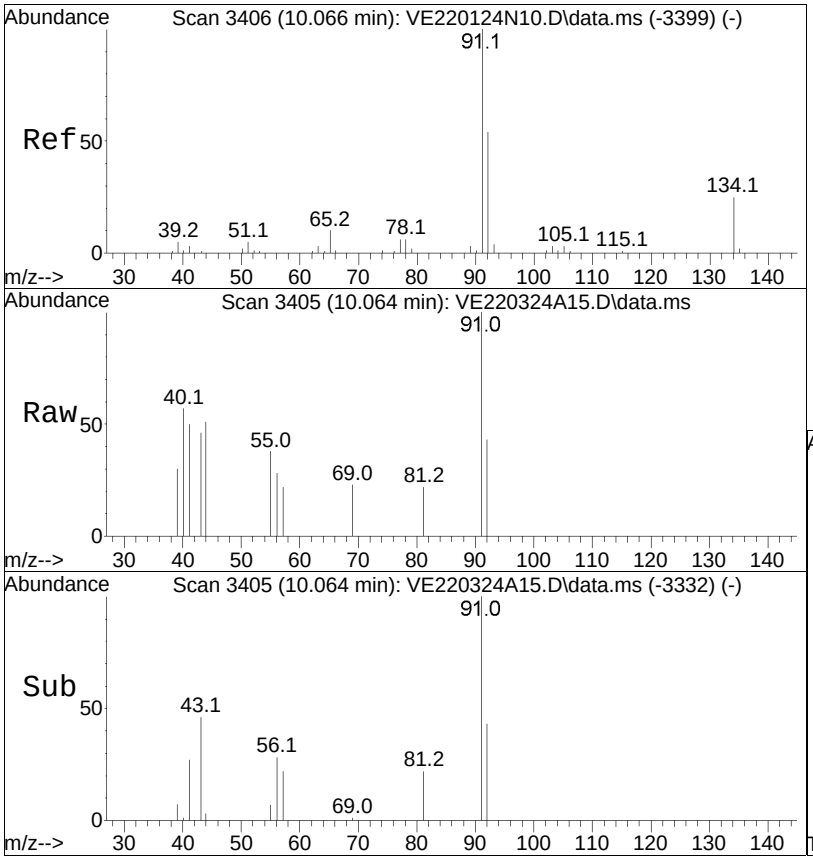


#101
1,4-Dichlorobenzene
Concen: 0.11 ug/L
RT: 9.902 min Scan# 3347
Delta R.T. 0.000 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion:146 Resp: 675

Ion	Ratio	Lower	Upper
146	100		
111	180.1	32.3	48.5#
148	71.7	49.9	74.9

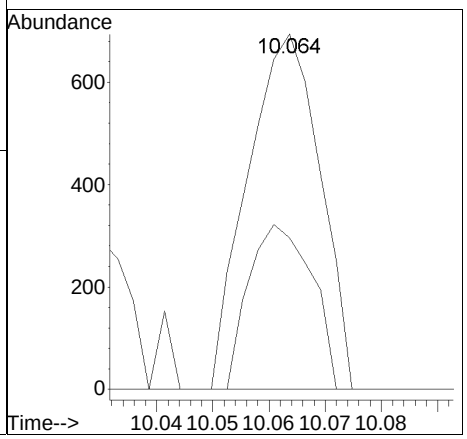


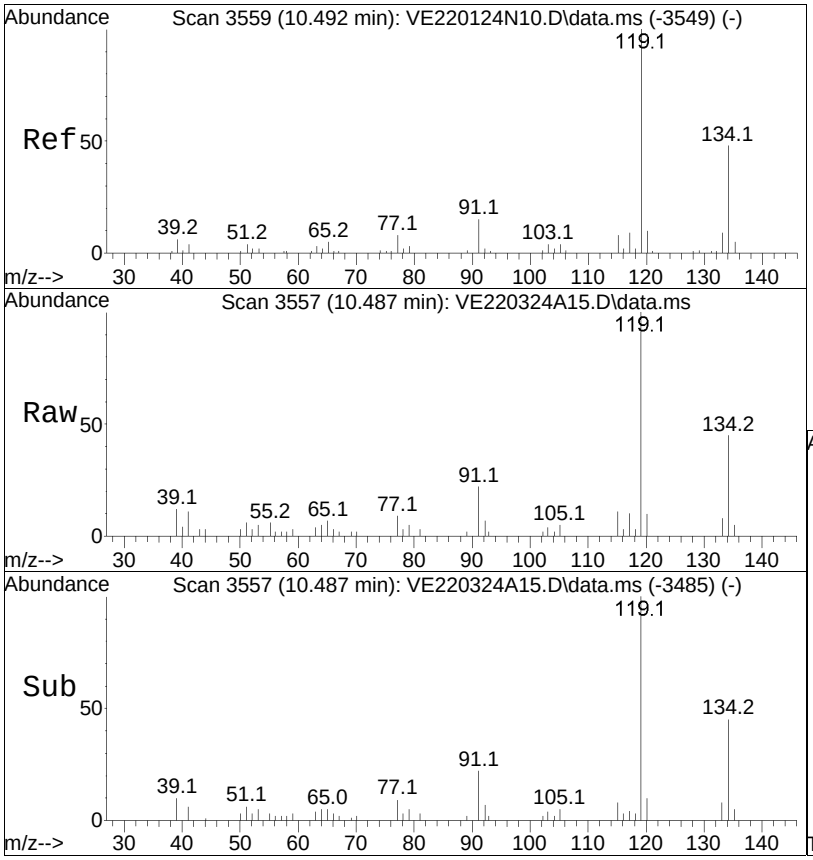


#103
n-Butylbenzene
Concen: 0.32 ug/L
RT: 10.064 min Scan# 3405
Delta R.T. 0.003 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion: 91 Resp: 622

Ion	Ratio	Lower	Upper
91	100		
92	40.5	43.0	64.4#
134	29.7	19.6	29.4#

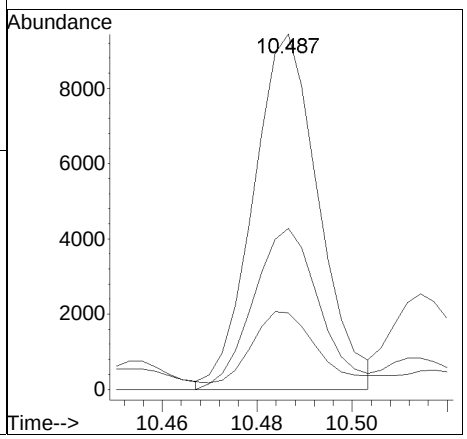


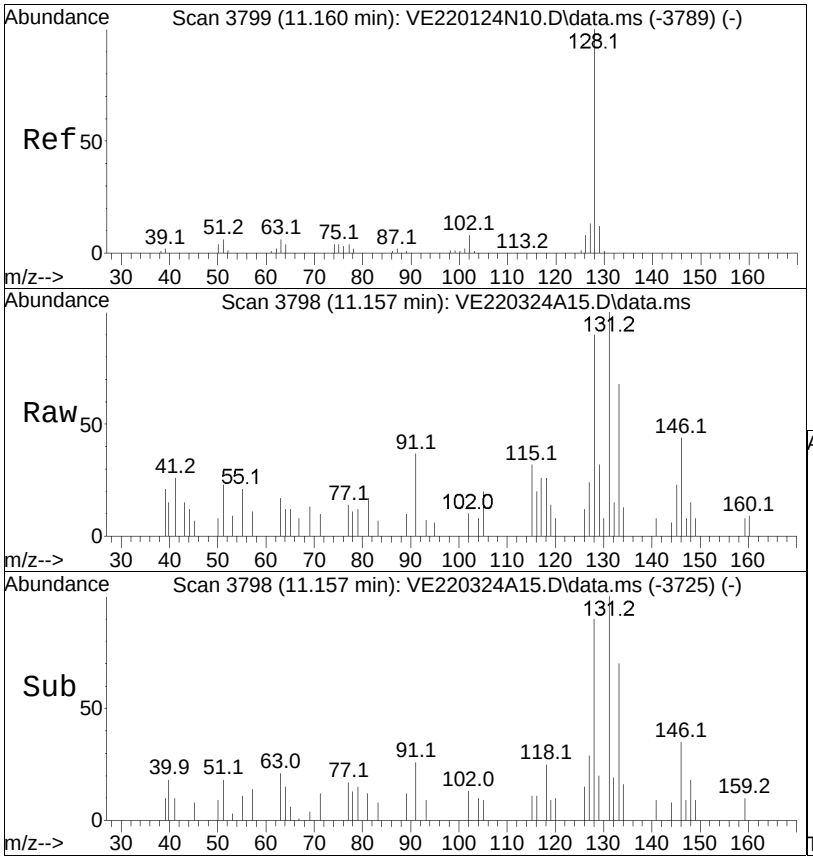


#105
1,2,4,5-Tetramethylbenzene
Concen: 1.00 ug/L
RT: 10.487 min Scan# 3557
Delta R.T. -0.000 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion:119 Resp: 8999

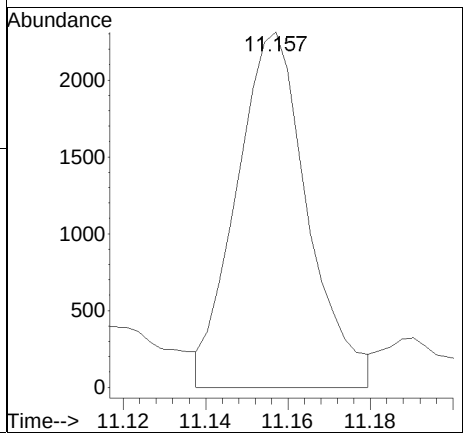
Ion	Ratio	Lower	Upper
119	100		
134	46.1	30.5	63.3
91	21.8	12.4	25.7





#110
Naphthalene
Concen: 0.61 ug/L
RT: 11.157 min Scan# 3798
Delta R.T. 0.003 min
Lab File: VE220324A15.D
Acq: 24 Mar 2022 11:46 am

Tgt Ion:128 Resp: 2772

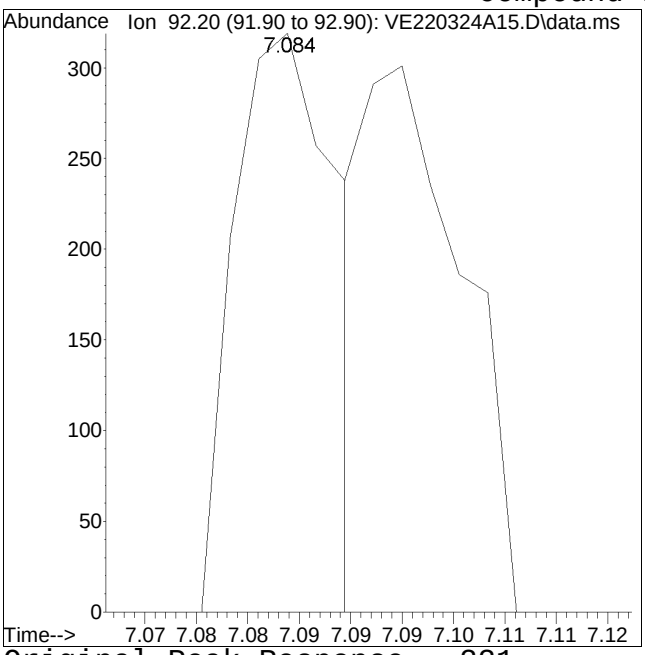


Manual Integration Report

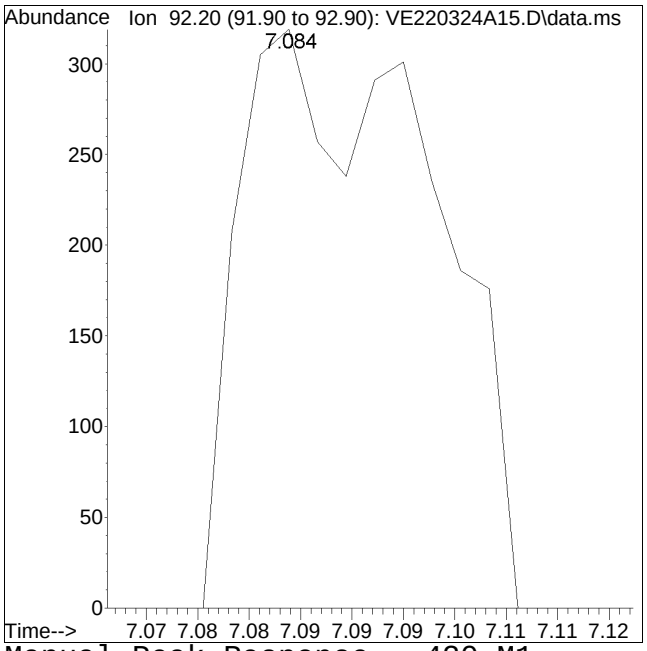
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220324A15.D
Date Inj'd : 3/24/2022 11:46 am
Sample : L2214084-03,31,10,10,,C

Method : Elaine_220316N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 3/24/2022 2:52 pm

Compound #61: Toluene



Original Peak Response = 221



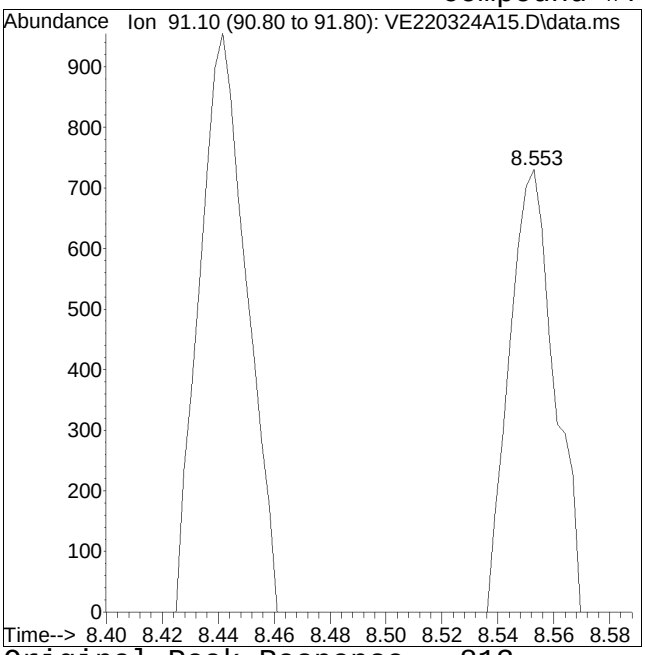
Manual Peak Response = 420 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

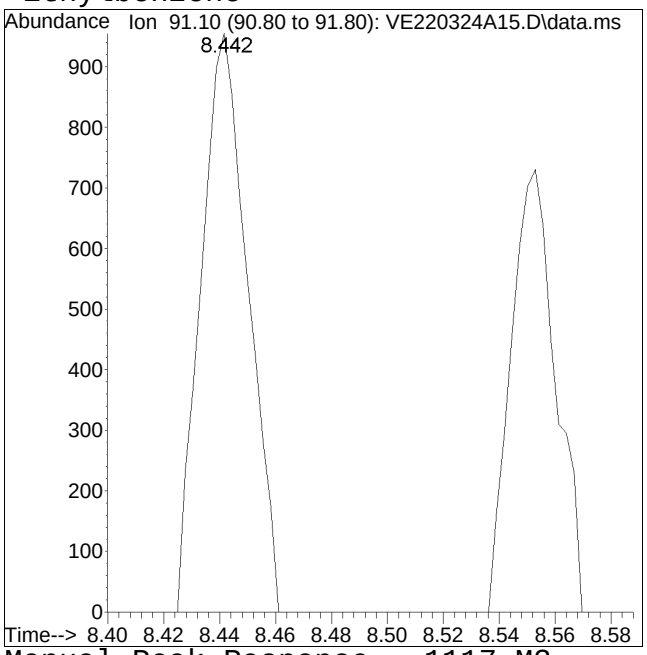
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220324A15.D Operator : ELAINE:PD
Date Inj'd : 3/24/2022 11:46 am Instrument : Elaine
Sample : L2214084-03,31,10,10,,C Quant Date : 3/24/2022 2:52 pm

Compound #74: Ethylbenzene



Original Peak Response = 813



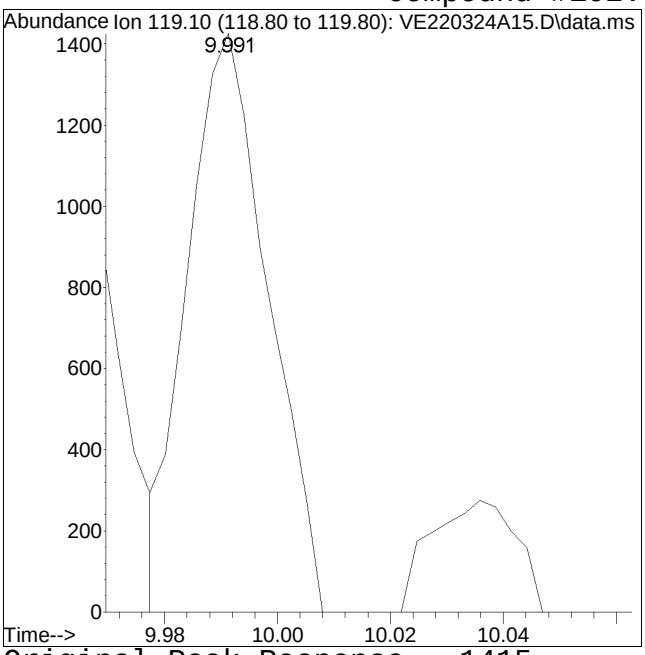
Manual Peak Response = 1117 M3

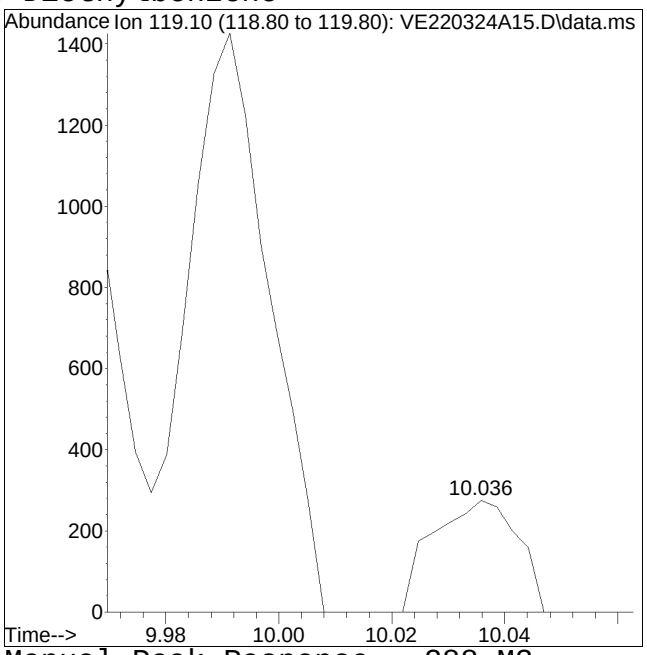
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220324A15.D Operator : ELAINE:PD
Date Inj'd : 3/24/2022 11:46 am Instrument : Elaine
Sample : L2214084-03,31,10,10,,C Quant Date : 3/24/2022 2:52 pm

Compound #102: p-Diethylbenzene





Original Peak Response = 1415 Manual Peak Response = 288 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A16.D
Acq On : 24 Mar 2022 12:06 pm
Operator : ELAINE:PD
Sample : L2214084-06,31,10,10,,C
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 25 11:35:32 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.312	96	169442	10.000 ug/L	0.00
Standard Area 1 = 180008			Recovery = 94.13%		
59) Chlorobenzene-d5	8.386	117	132610	10.000 ug/L	0.00
Standard Area 1 = 131992			Recovery = 100.47%		
79) 1,4-Dichlorobenzene-d4	9.894	152	71229	10.000 ug/L	0.00
Standard Area 1 = 68168			Recovery = 104.49%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.299	113	44096	10.614 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.14%		
43) 1,2-Dichloroethane-d4	4.958	65	53495	10.849 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.49%		
60) Toluene-d8	7.045	98	168915	9.718 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.18%		
83) 4-Bromofluorobenzene	9.221	95	65443	9.650 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.50%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	1.027	50	133	N.D.	
4) Vinyl chloride	1.060	62	580	0.163 ug/L #	1
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	1.775	76	10702	1.830 ug/L	97
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	2.287	43	4135	5.638 ug/L	98
18) trans-1,2-Dichloroethene	2.376	96	199	0.075 ug/L #	60
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	2.963	63	296	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	0.000		0	N.D. d	
28) cis-1,2-Dichloroethene	3.626	96	1985	0.650 ug/L #	69
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A16.D
Acq On : 24 Mar 2022 12:06 pm
Operator : ELAINE:PD
Sample : L2214084-06,31,10,10,,C
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 25 11:35:32 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.	d	
40) 1,1-Dichloropropene	4.307	75	55	N.D.		
41) Benzene	4.775	78	536	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	5.515	95	2283	0.806	ug/L #	87
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.087	92	144	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.459	166	3844	1.310	ug/L	88
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	8.233	43	53	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	8.442	91	1297	0.094	ug/L	93
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	8.550	106	499	0.095	ug/L	73
77) o Xylene	8.837	106	789	0.152	ug/L #	53
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.054	105	1978	0.144	ug/L	98
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	9.312	91	2910	0.186	ug/L	98
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	d	
88) 4-Ethyltoluene	9.382	105	4450	0.343	ug/L	98
89) 2-Chlorotoluene	9.410	91	112	N.D.		
90) 1,3,5-Trimethylbenzene	9.440	105	1863	0.169	ug/L	92
91) 1,2,3-Trichloropropane	9.563	75	92	N.D.		
92) trans-1,4-Dichloro-2-b...	9.443	53	26	N.D.		
93) 4-Chlorotoluene	0.000		0	N.D.	d	
94) tert-Butylbenzene	9.624	119	374	N.D.		

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A16.D
Acq On : 24 Mar 2022 12:06 pm
Operator : ELAINE:PD
Sample : L2214084-06,31,10,10,,C
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 25 11:35:32 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	1,2,4-Trimethylbenzene	9.669	105	5102	0.454	ug/L		99
98)	sec-Butylbenzene	9.727	105	2419	0.207	ug/L		85
99)	p-Isopropyltoluene	9.819	119	1367M3	0.378	ug/L		
100)	1,3-Dichlorobenzene	9.847	146	234	N.D.			
101)	1,4-Dichlorobenzene	9.902	146	695	0.108	ug/L	#	1
102)	p-Diethylbenzene	10.030	119	1710M3	0.290	ug/L		
103)	n-Butylbenzene	10.061	91	1442	0.414	ug/L	#	70
104)	1,2-Dichlorobenzene	0.000		0	N.D.			
105)	1,2,4,5-Tetramethylben...	10.487	119	28419	3.029	ug/L		96
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d		
108)	Hexachlorobutadiene	0.000		0	N.D.			
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.	d		
110)	Naphthalene	11.154	128	7426	1.105	ug/L		100
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.	d		

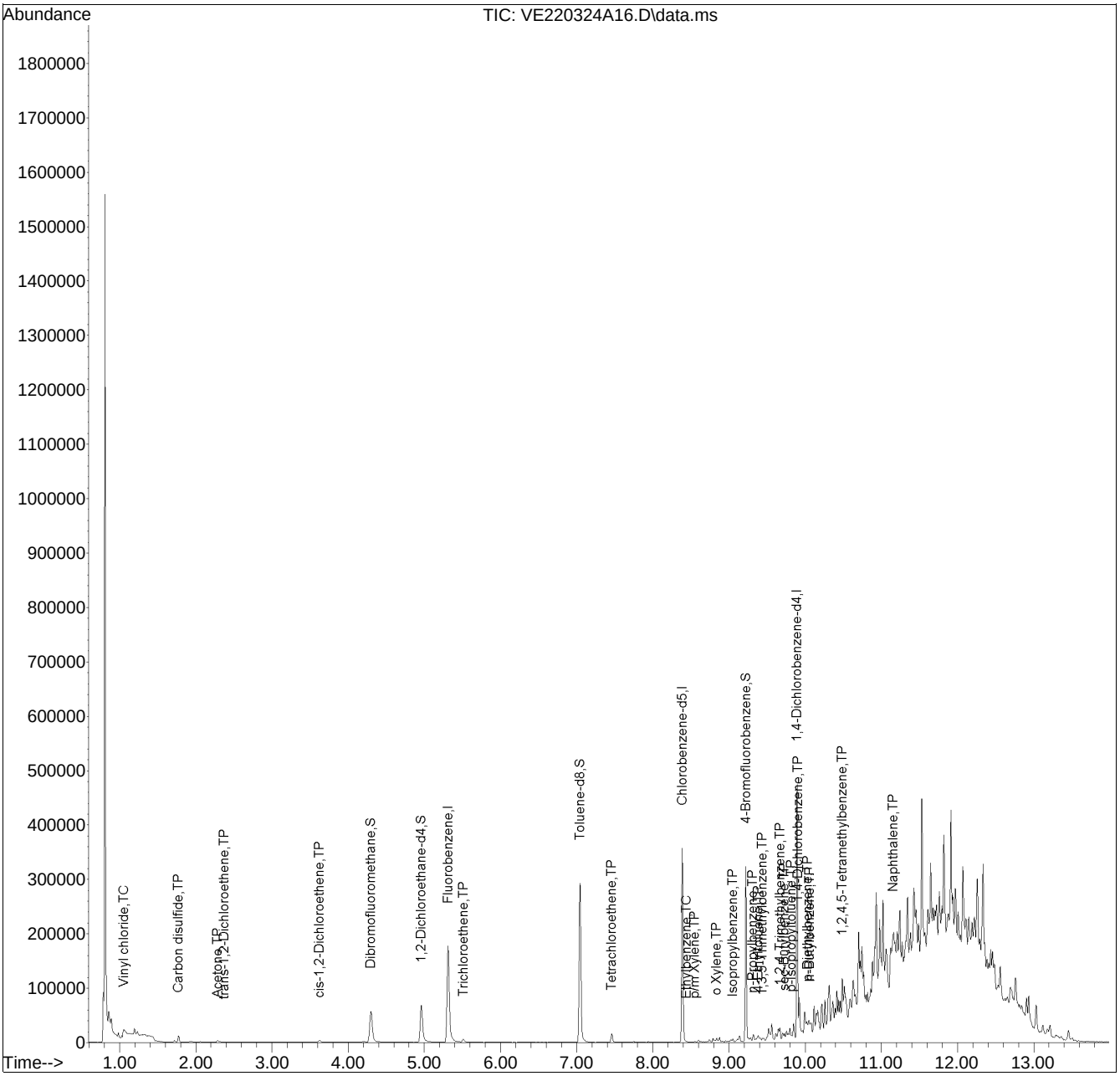
(#) = qualifier out of range (m) = manual integration (+) = signals summed

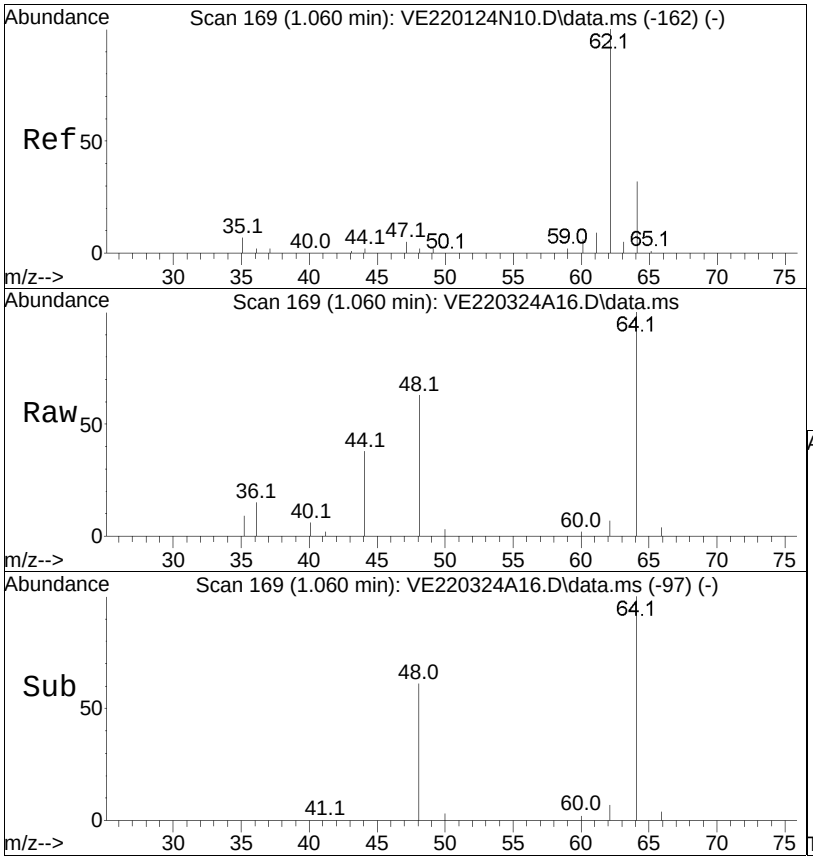
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A16.D
Acq On : 24 Mar 2022 12:06 pm
Operator : ELAINE:PD
Sample : L2214084-06,31,10,10,,C
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 25 11:35:32 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20324A\VE220324A01.D•

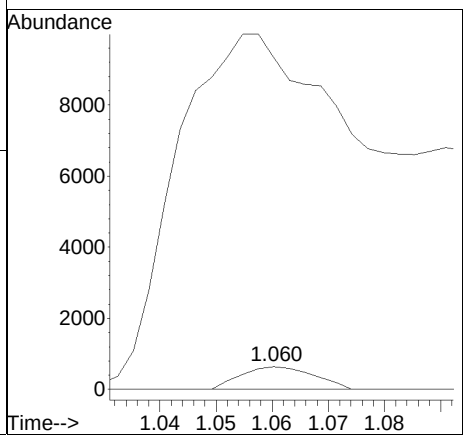


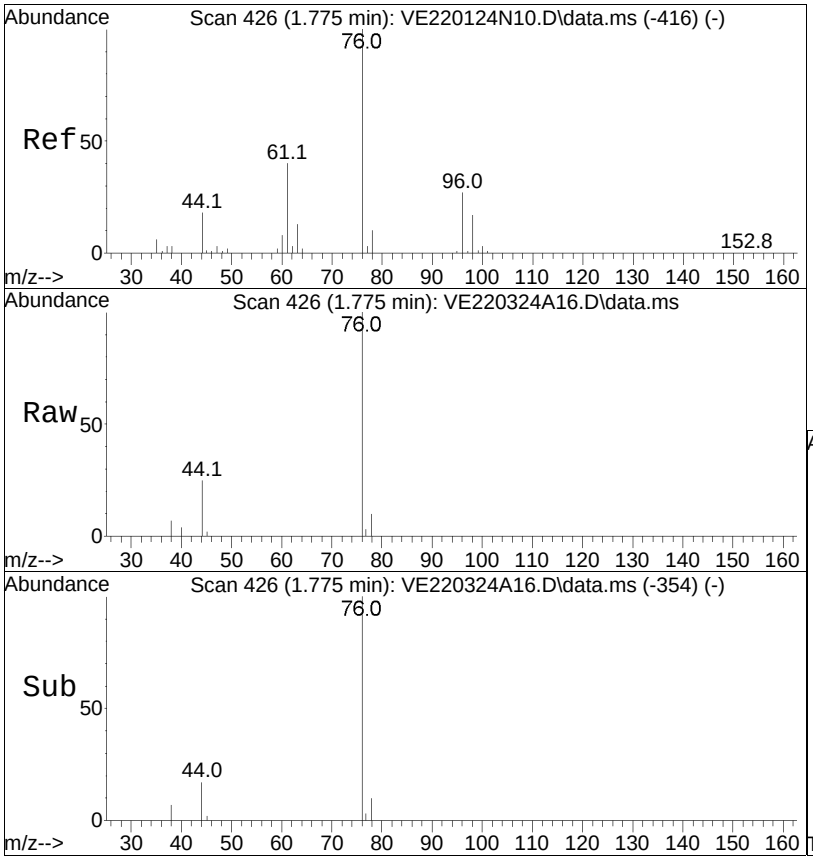


#4
Vinyl chloride
Concen: 0.16 ug/L
RT: 1.060 min Scan# 169
Delta R.T. 0.000 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion: 62 Resp: 580

Ion	Ratio	Lower	Upper
62	100		
64	4043.1	9.1	49.1#

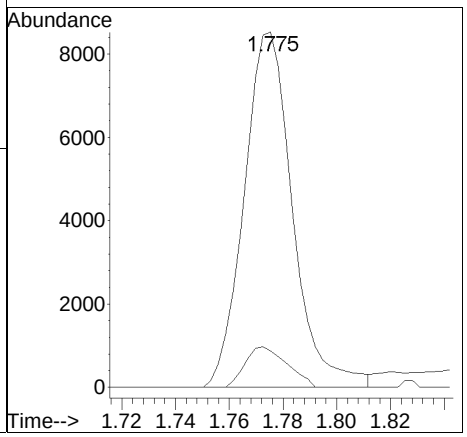


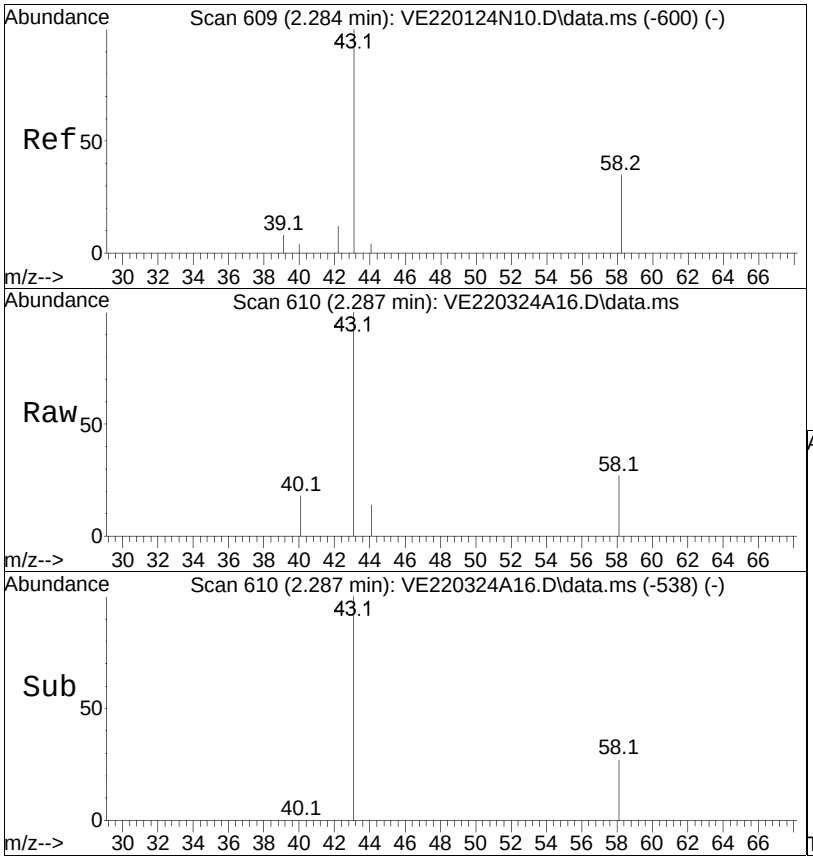


#11
Carbon disulfide
Concen: 1.83 ug/L
RT: 1.775 min Scan# 426
Delta R.T. 0.000 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion: 76 Resp: 10702

Ion	Ratio	Lower	Upper
76	100		
78	9.9	5.7	11.7

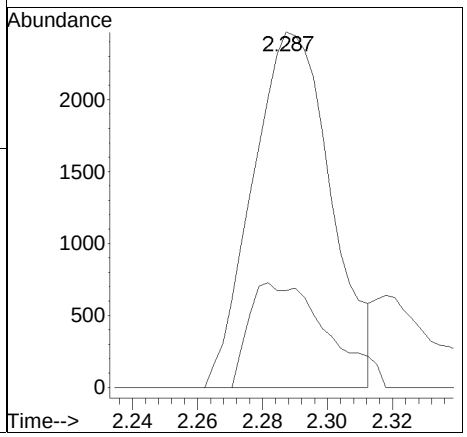


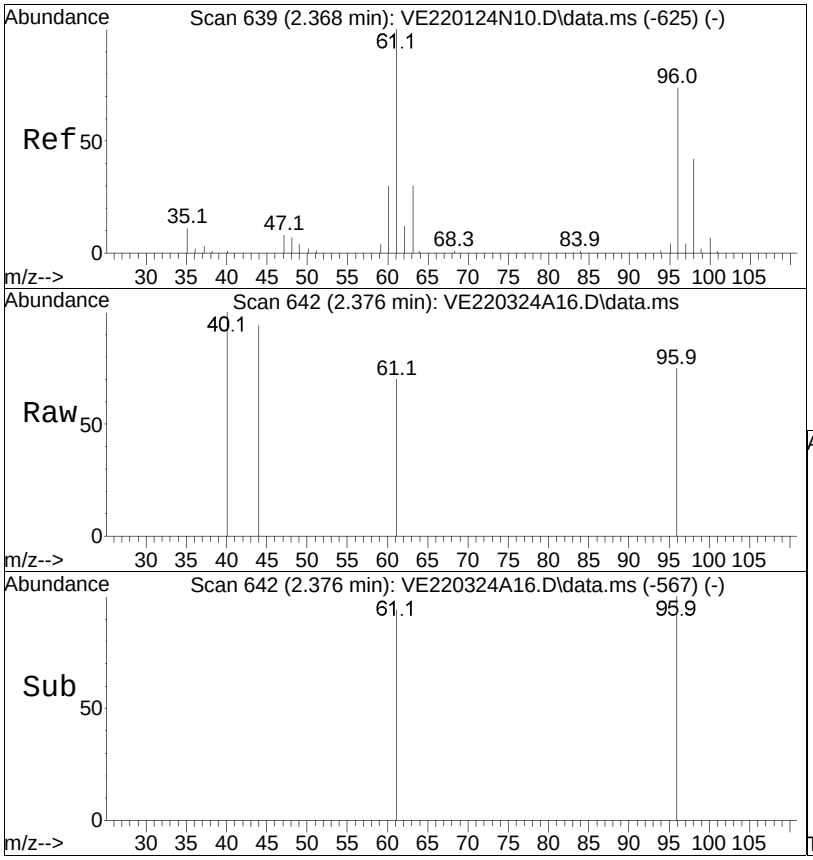


#17
Acetone
Concen: 5.64 ug/L
RT: 2.287 min Scan# 610
Delta R.T. 0.000 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion: 43 Resp: 4135

Ion	Ratio	Lower	Upper
43	100		
58	29.4	24.2	36.4

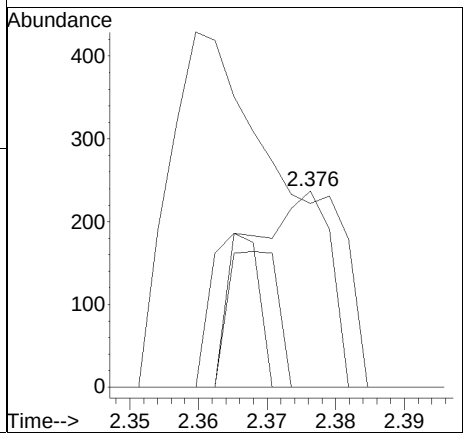


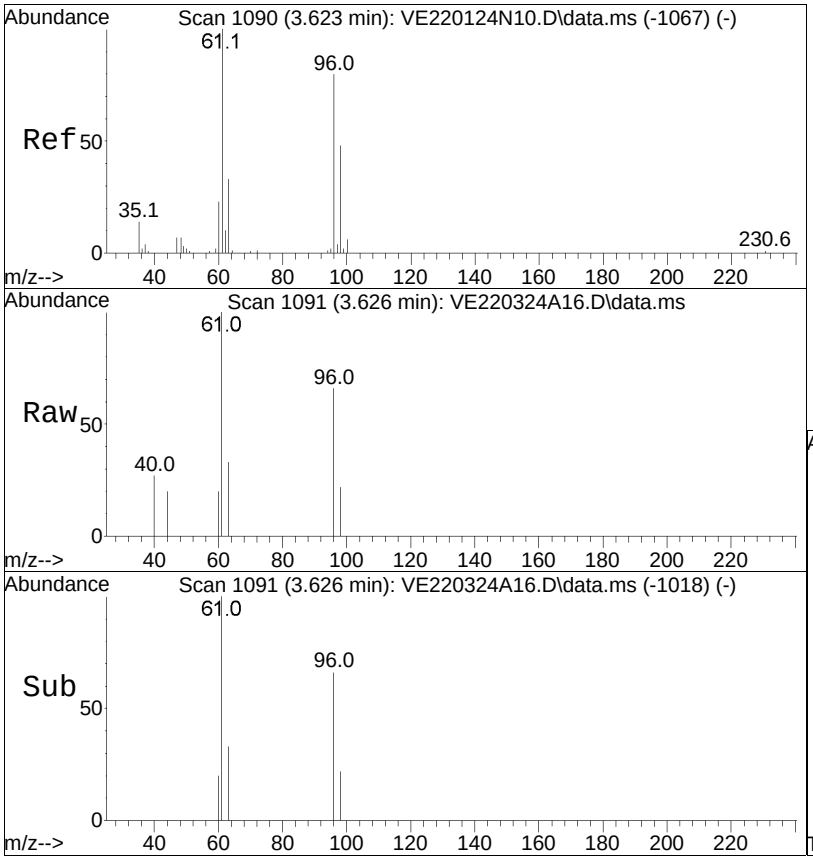


#18
trans-1,2-Dichloroethene
Concen: 0.08 ug/L
RT: 2.376 min Scan# 642
Delta R.T. 0.008 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion: 96 Resp: 199

Ion	Ratio	Lower	Upper
96	100		
61	264.8	124.0	257.6#
98	43.7	41.2	85.6
63	40.7	38.4	79.7

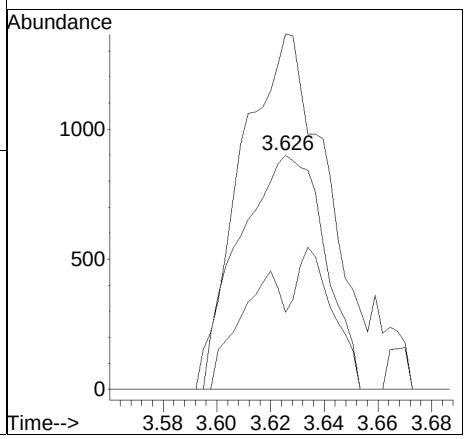


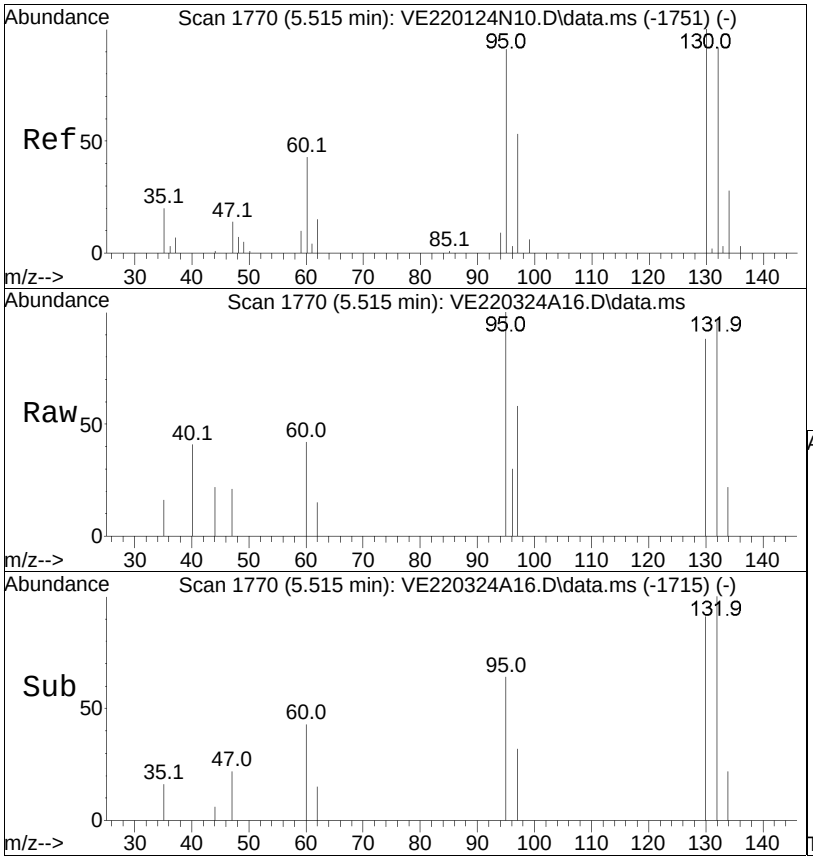


#28
cis-1,2-Dichloroethene
Concen: 0.65 ug/L
RT: 3.626 min Scan# 1091
Delta R.T. 0.003 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion: 96 Resp: 1985

Ion	Ratio	Lower	Upper
96	100		
61	151.9	149.4	224.2
98	25.9	53.4	80.2#

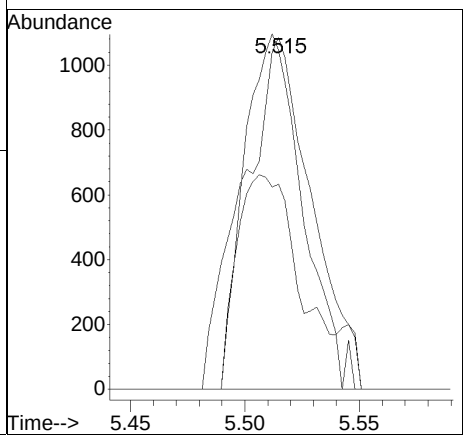


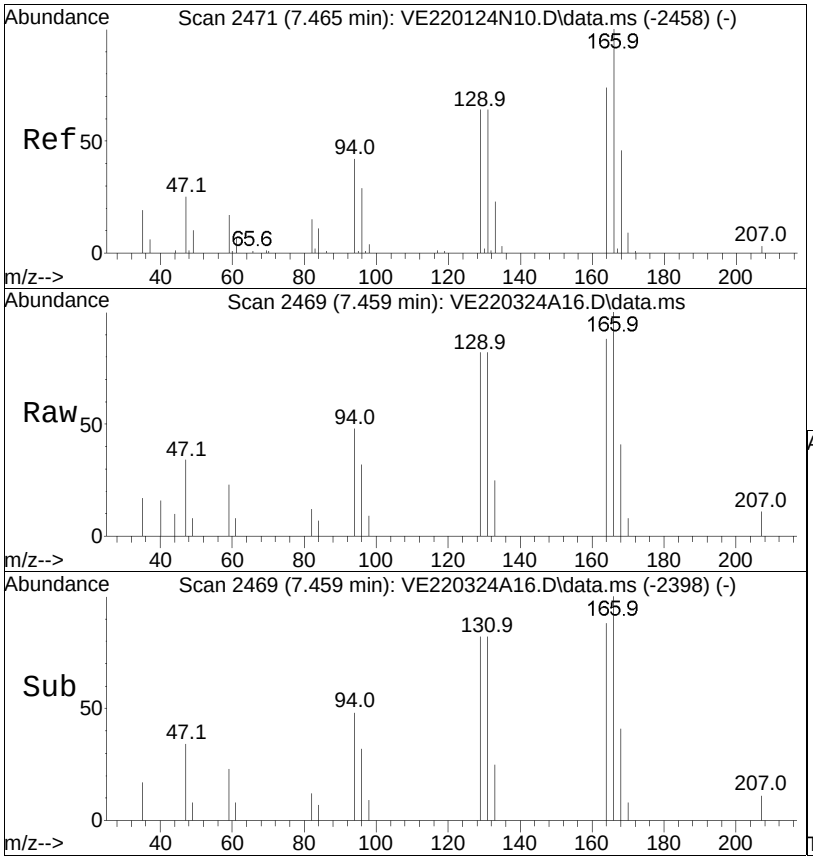


#48
Trichloroethene
Concen: 0.81 ug/L
RT: 5.515 min Scan# 1770
Delta R.T. 0.003 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion: 95 Resp: 2283

Ion	Ratio	Lower	Upper
95	100		
97	55.5	55.5	83.3#
132	85.5	76.6	115.0

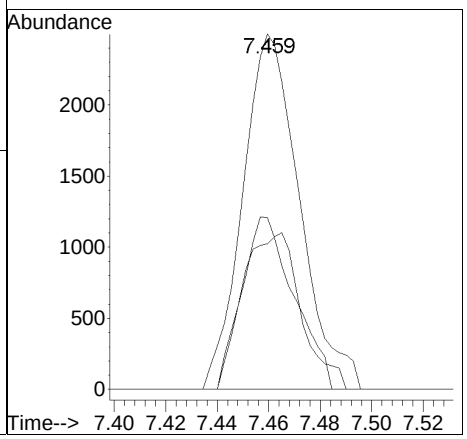


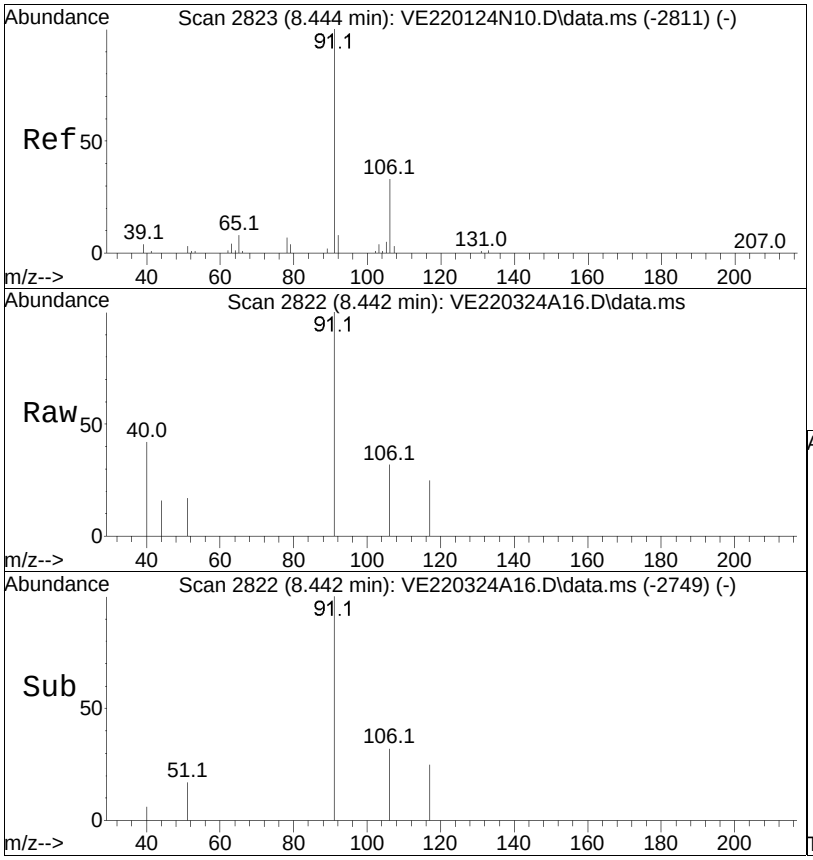


#63
Tetrachloroethene
Concen: 1.31 ug/L
RT: 7.459 min Scan# 2469
Delta R.T. -0.003 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion:166 Resp: 3844

Ion	Ratio	Lower	Upper
166	100		
168	45.2	28.2	68.2
94	44.6	38.4	78.4

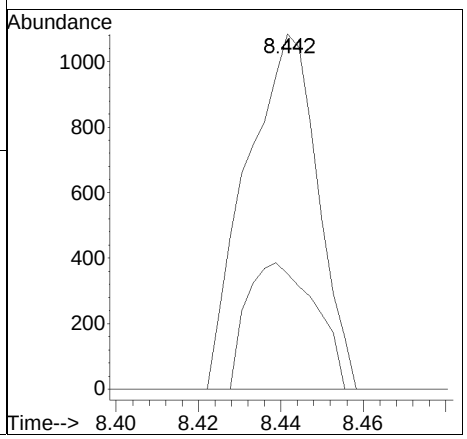


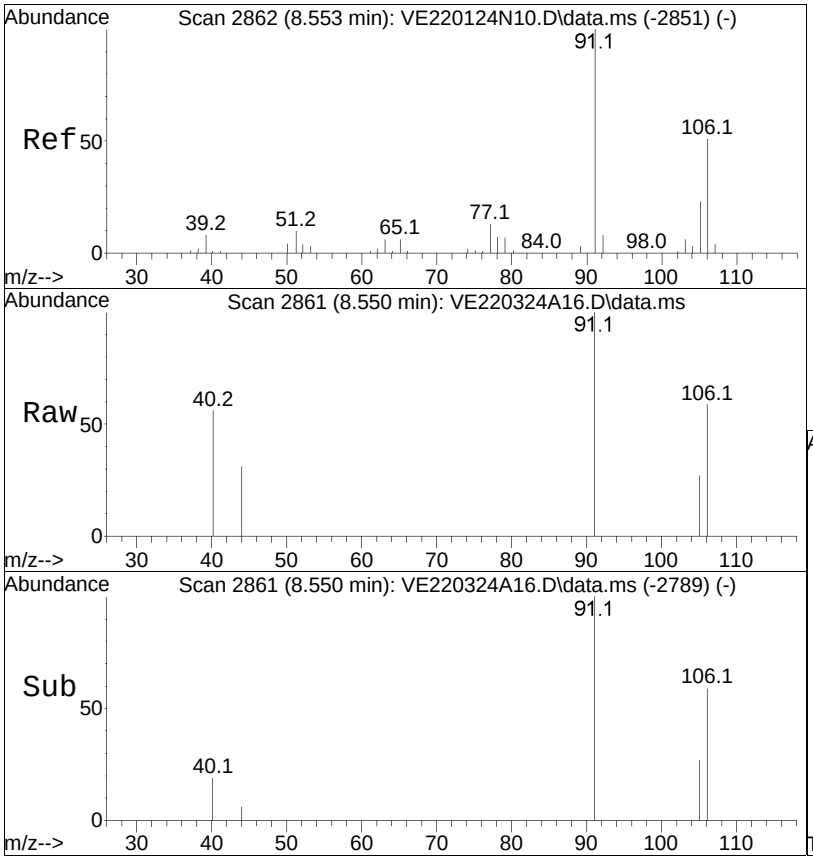


#74
Ethylbenzene
Concen: 0.09 ug/L
RT: 8.442 min Scan# 2822
Delta R.T. 0.003 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion: 91 Resp: 1297

Ion	Ratio	Lower	Upper
91	100		
106	34.3	24.3	36.5

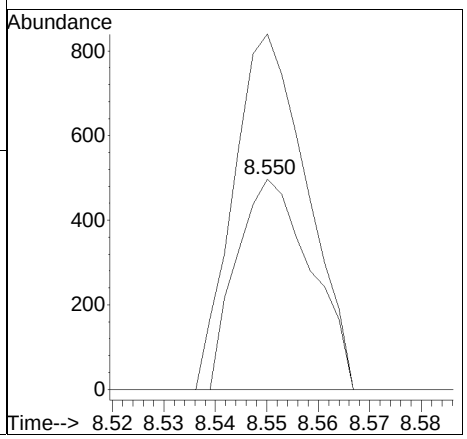


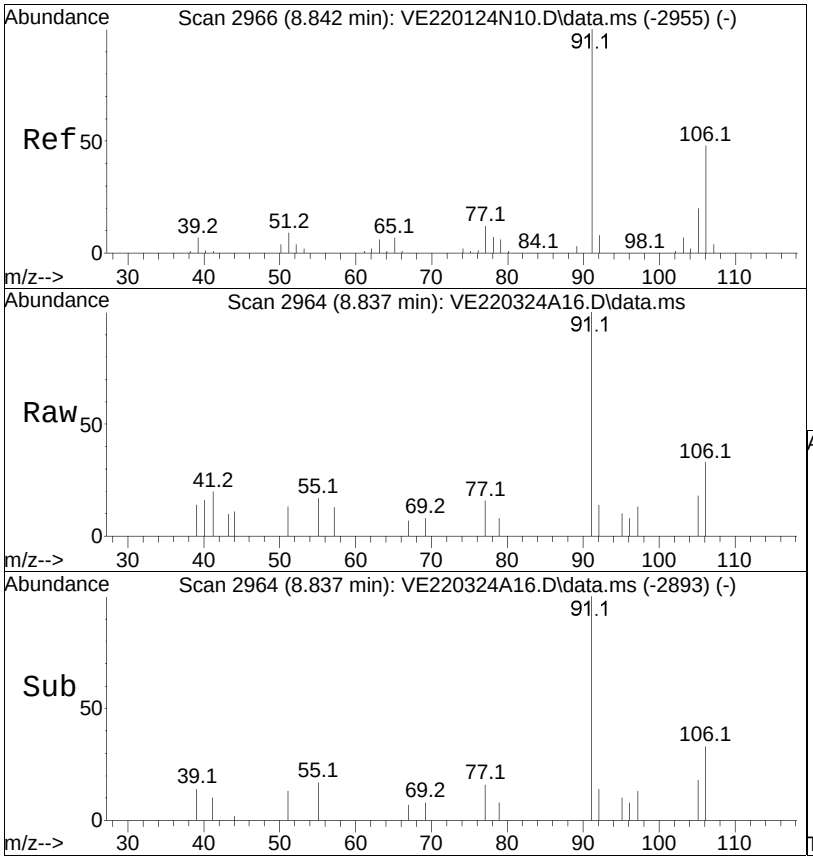


#76
p/m Xylene
Concen: 0.09 ug/L
RT: 8.550 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion:106 Resp: 499

Ion	Ratio	Lower	Upper
106	100		
91	166.5	166.4	249.6

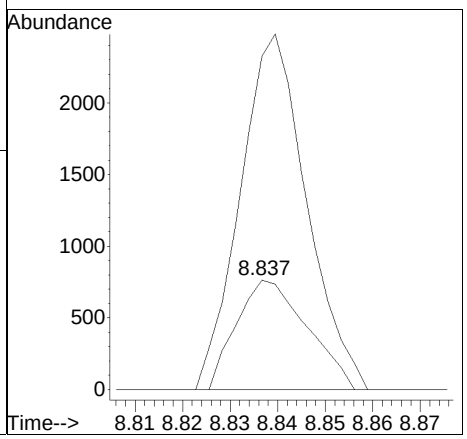


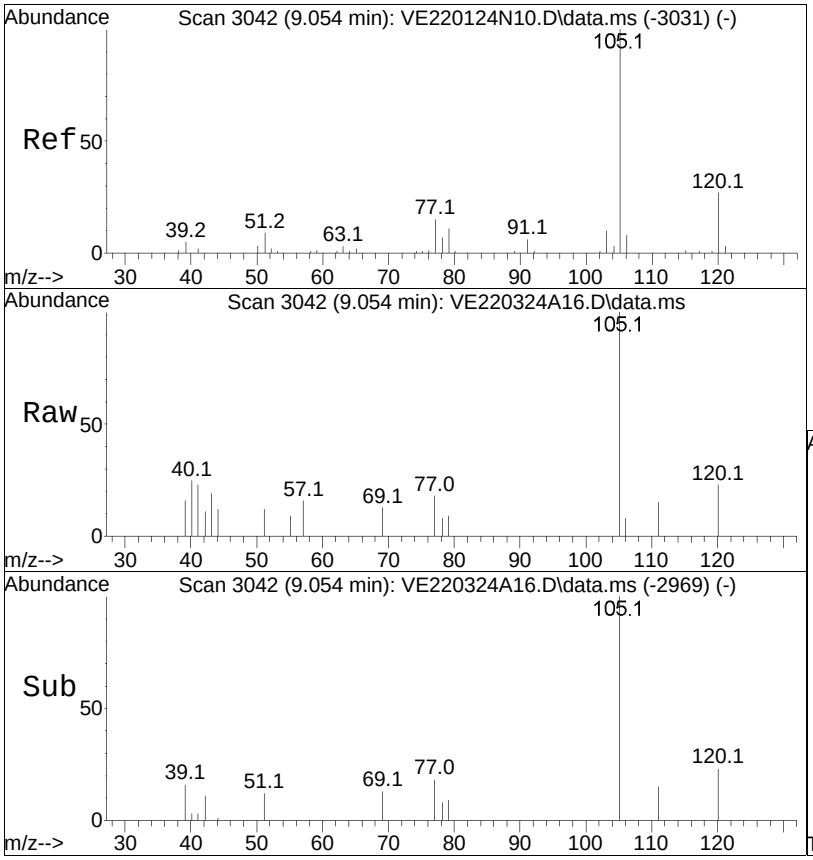


#77
o Xylene
Concen: 0.15 ug/L
RT: 8.837 min Scan# 2964
Delta R.T. -0.002 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion:106 Resp: 789

Ion	Ratio	Lower	Upper
106	100		
91	305.2	182.6	273.8#

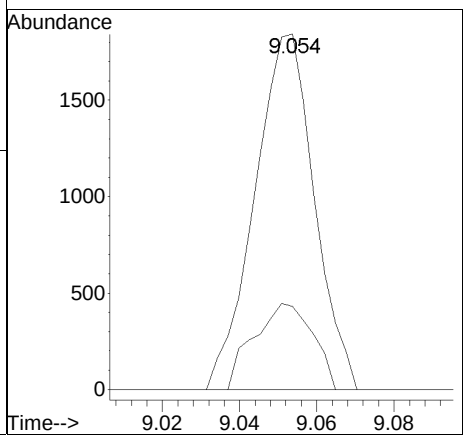


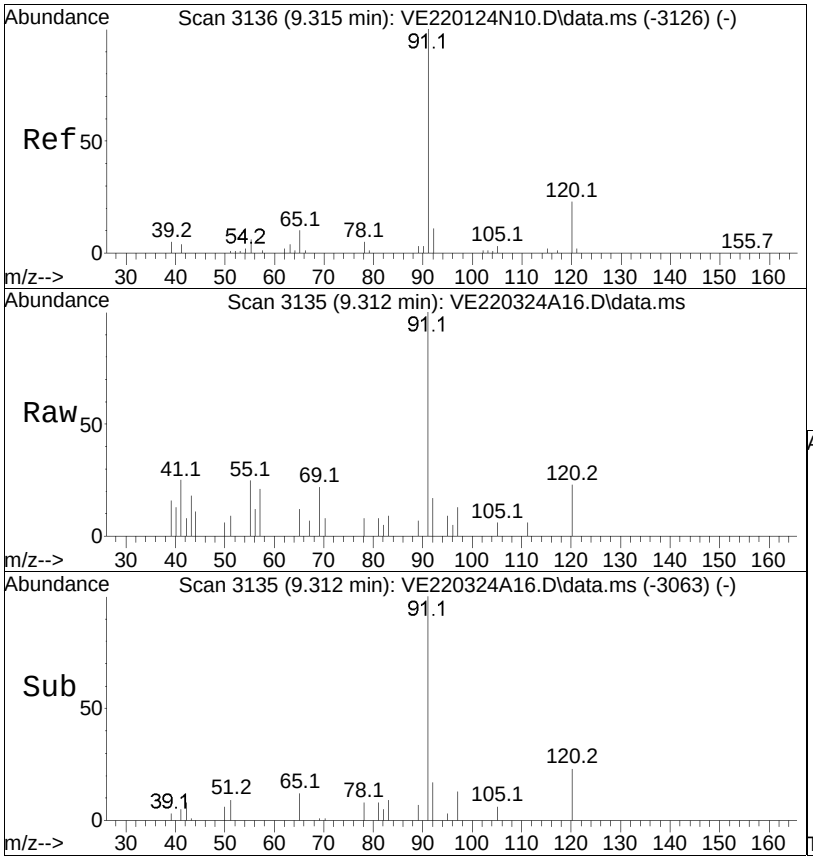


#82
Isopropylbenzene
Concen: 0.14 ug/L
RT: 9.054 min Scan# 3042
Delta R.T. 0.003 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion:105 Resp: 1978

Ion	Ratio	Lower	Upper
105	100		
120	23.9	4.8	44.8

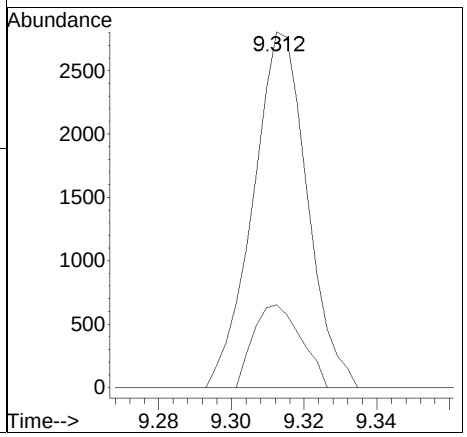


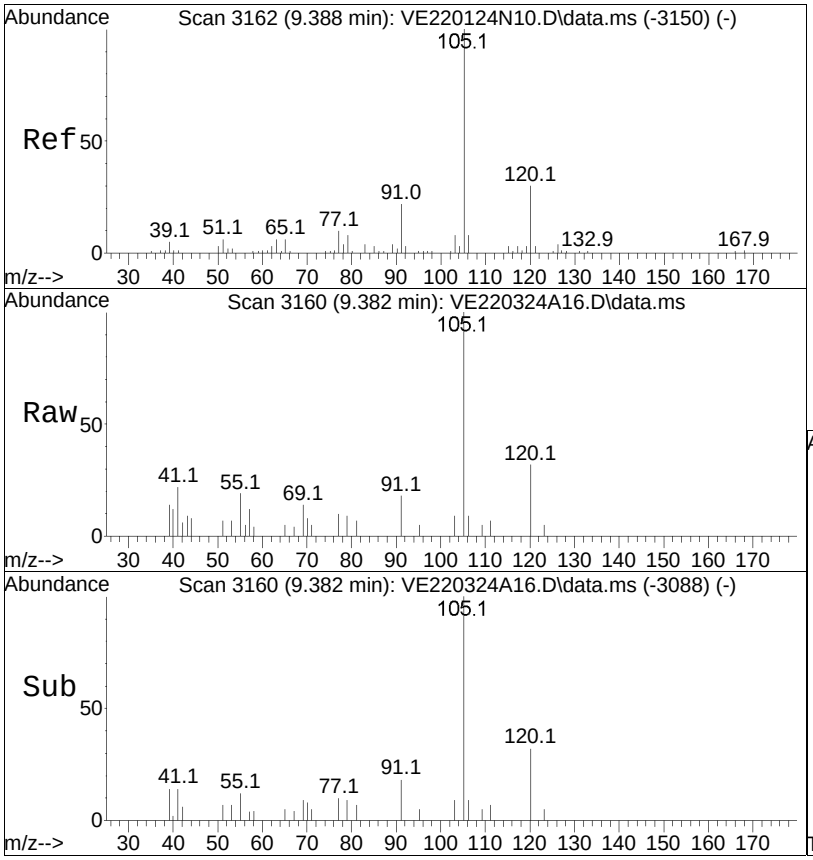


#85
n-Propylbenzene
Concen: 0.19 ug/L
RT: 9.312 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion: 91 Resp: 2910

Ion	Ratio	Lower	Upper
91	100		
120	20.4	17.0	25.6

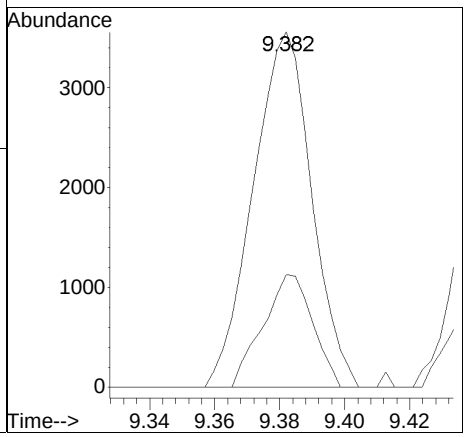


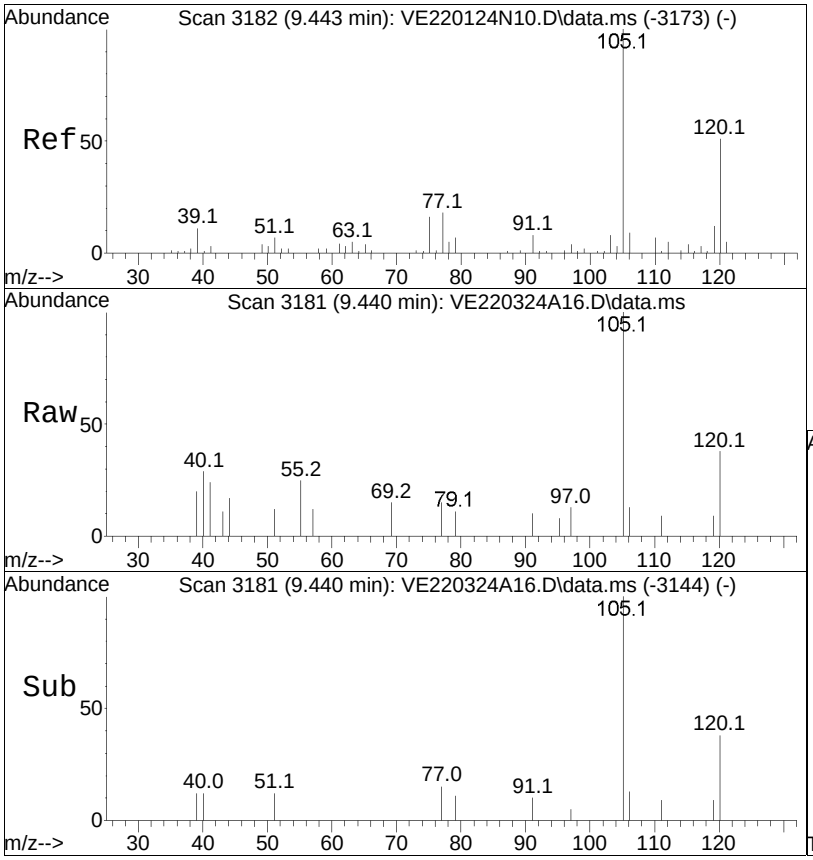


#88
4-Ethyltoluene
Concen: 0.34 ug/L
RT: 9.382 min Scan# 3160
Delta R.T. -0.000 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion:105 Resp: 4450

Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.1	37.7

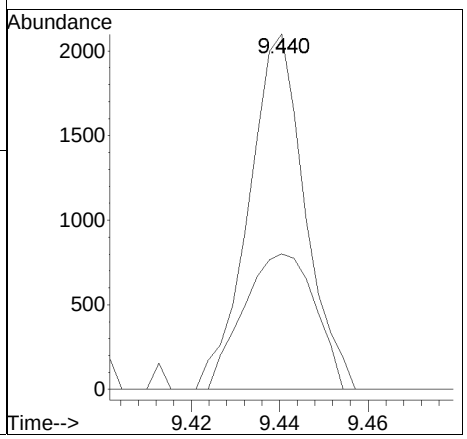


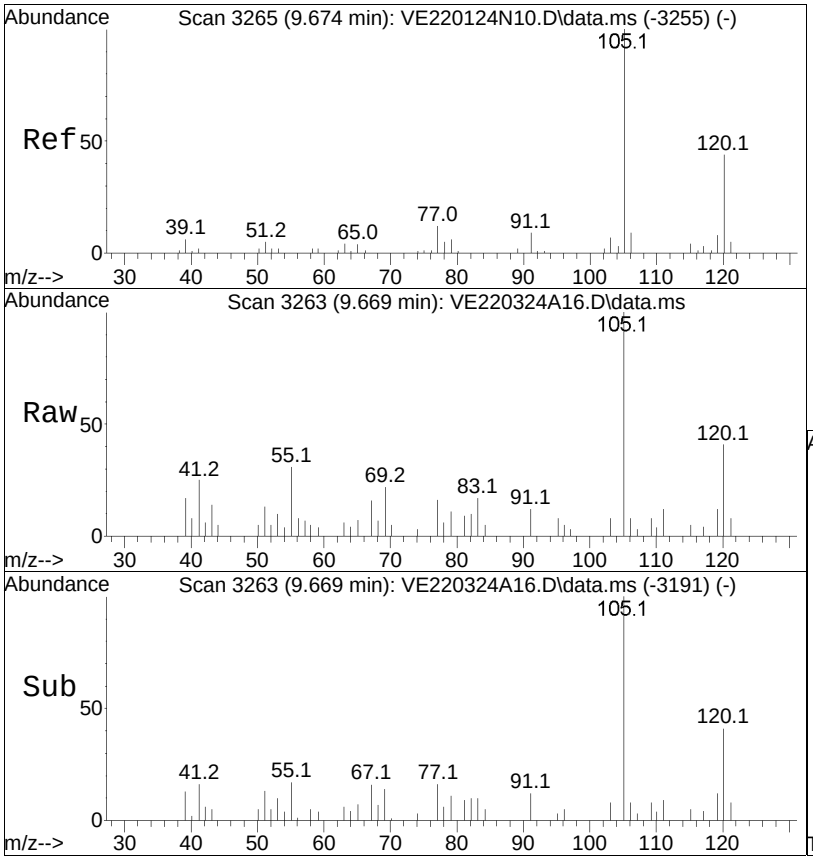


#90
1,3,5-Trimethylbenzene
Concen: 0.17 ug/L
RT: 9.440 min Scan# 3181
Delta R.T. 0.002 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion:105 Resp: 1863

Ion	Ratio	Lower	Upper
105	100		
120	48.5	34.8	52.2

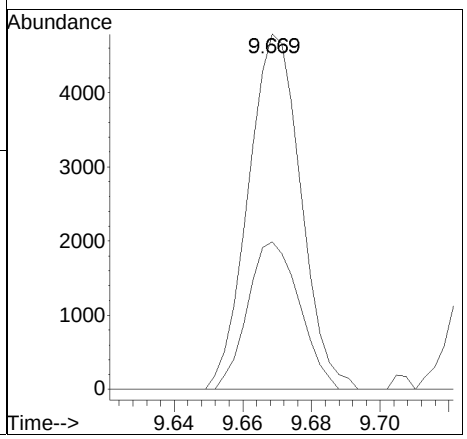


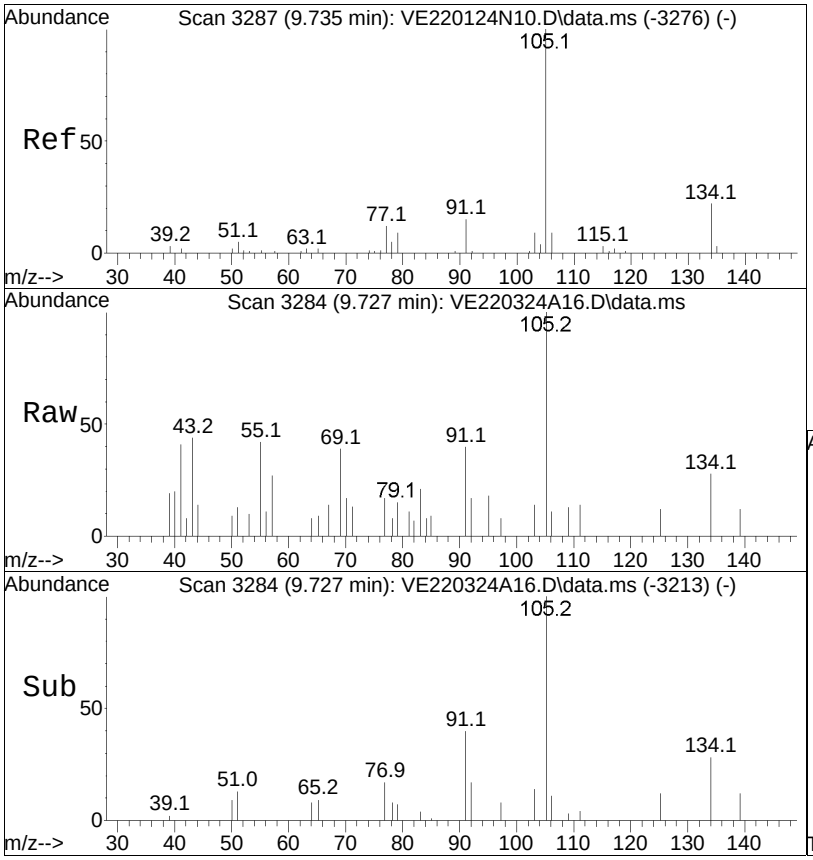


#97
1,2,4-Trimethylbenzene
Concen: 0.45 ug/L
RT: 9.669 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion:105 Resp: 5102

Ion	Ratio	Lower	Upper
105	100		
120	40.9	33.4	50.0

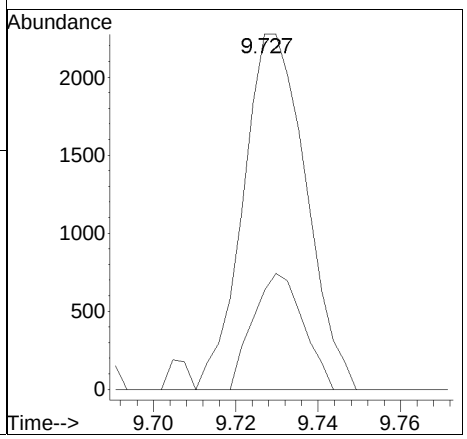


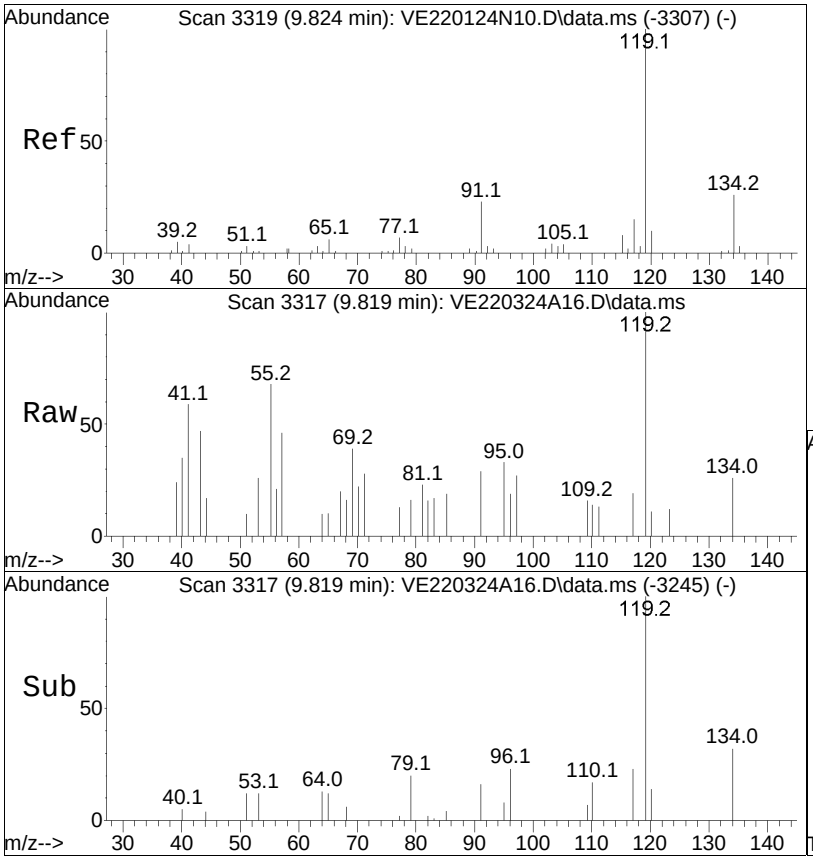


#98
sec-Butylbenzene
Concen: 0.21 ug/L
RT: 9.727 min Scan# 3284
Delta R.T. -0.003 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion:105 Resp: 2419

Ion	Ratio	Lower	Upper
105	100		
134	26.0	12.5	26.1

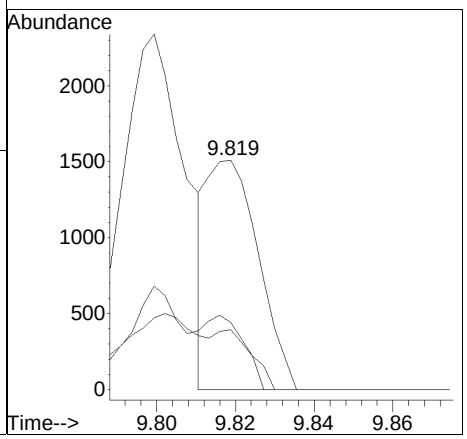


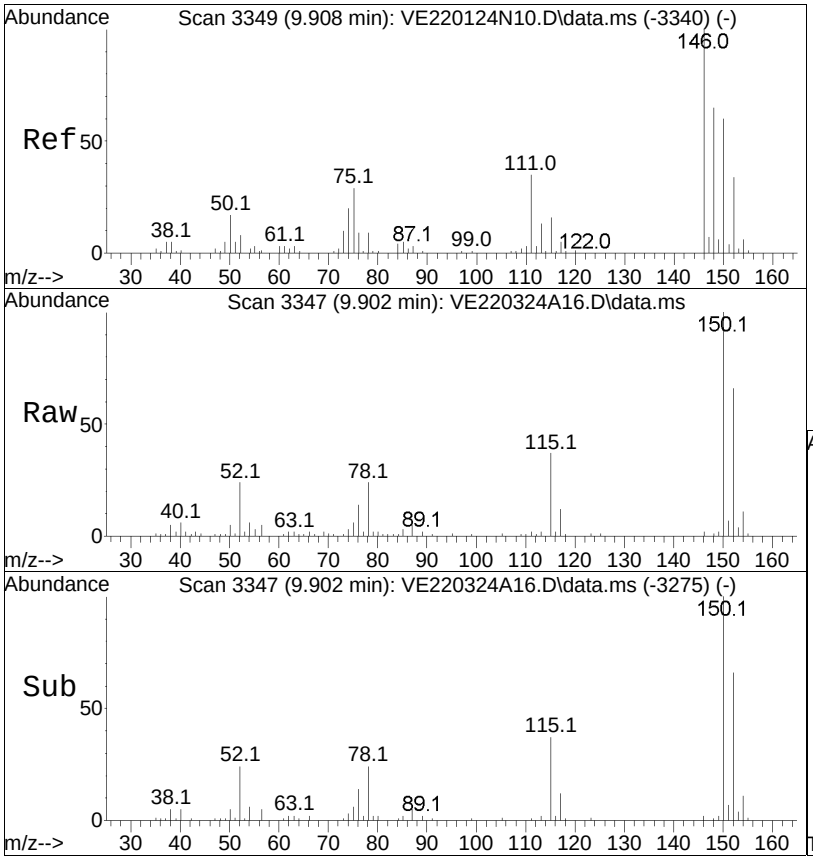


#99
p-Isopropyltoluene
Concen: 0.38 ug/L M3
RT: 9.819 min Scan# 3317
Delta R.T. -0.000 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion:119 Resp: 1367

Ion	Ratio	Lower	Upper
119	100		
134	46.3	16.1	33.3#
91	45.6	17.3	35.9#

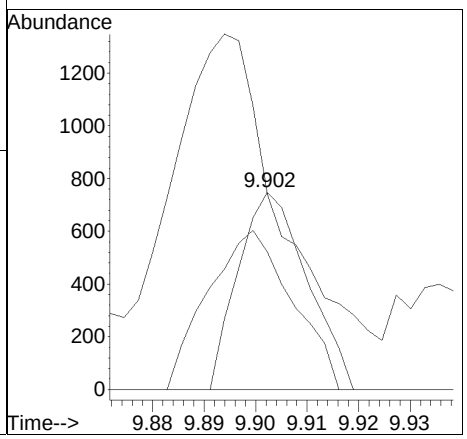


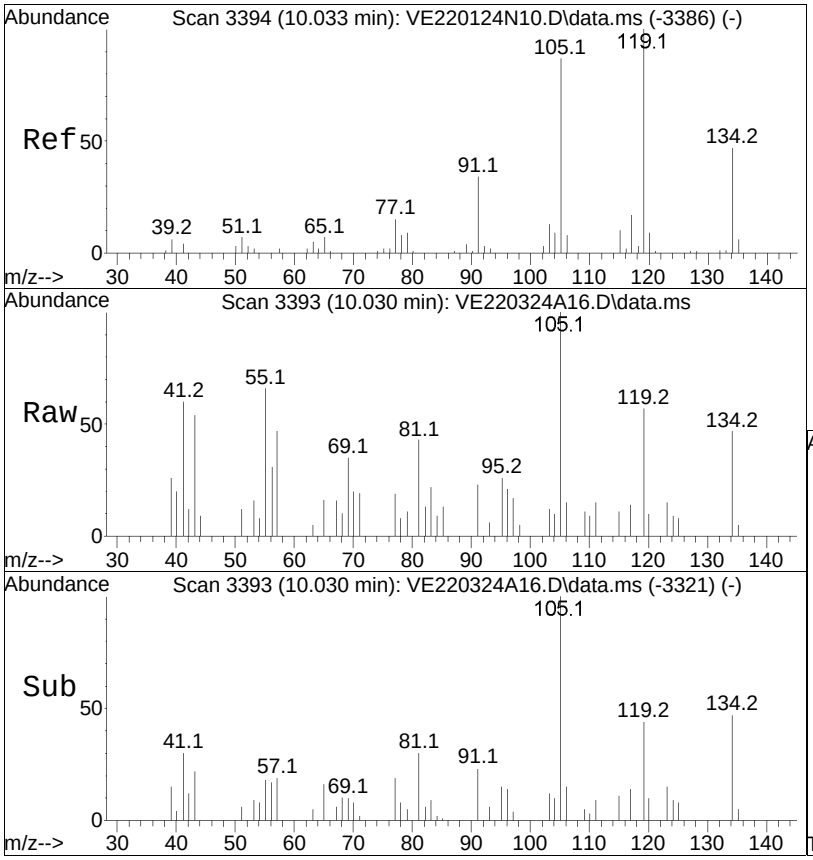


#101
1,4-Dichlorobenzene
Concen: 0.11 ug/L
RT: 9.902 min Scan# 3347
Delta R.T. 0.000 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion:146 Resp: 695

Ion	Ratio	Lower	Upper
146	100		
111	238.1	32.3	48.5#
148	99.0	49.9	74.9#

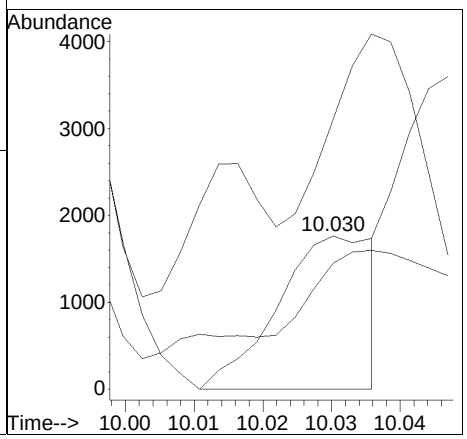


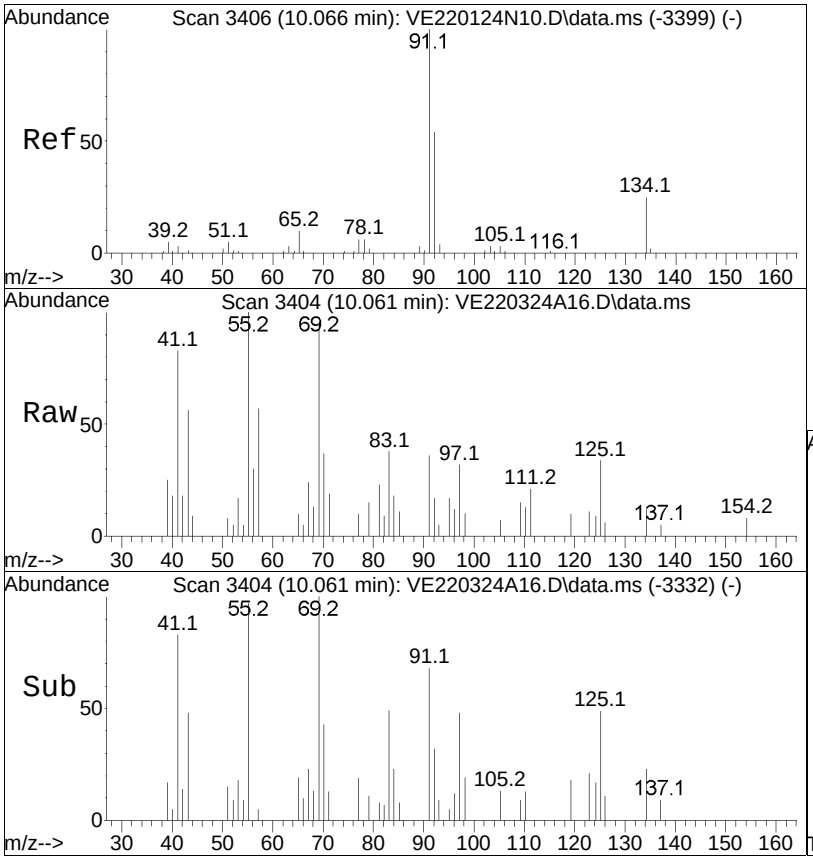


#102
p-Diethylbenzene
Concen: 0.29 ug/L M3
RT: 10.030 min Scan# 3393
Delta R.T. 0.000 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion:119 Resp: 1710

Ion	Ratio	Lower	Upper
119	100		
105	287.6	59.5	123.7#
134	166.0	30.2	62.6#

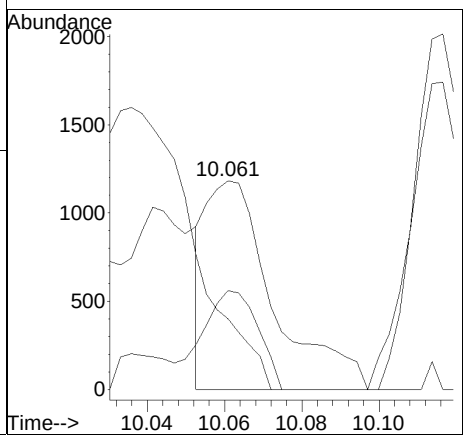


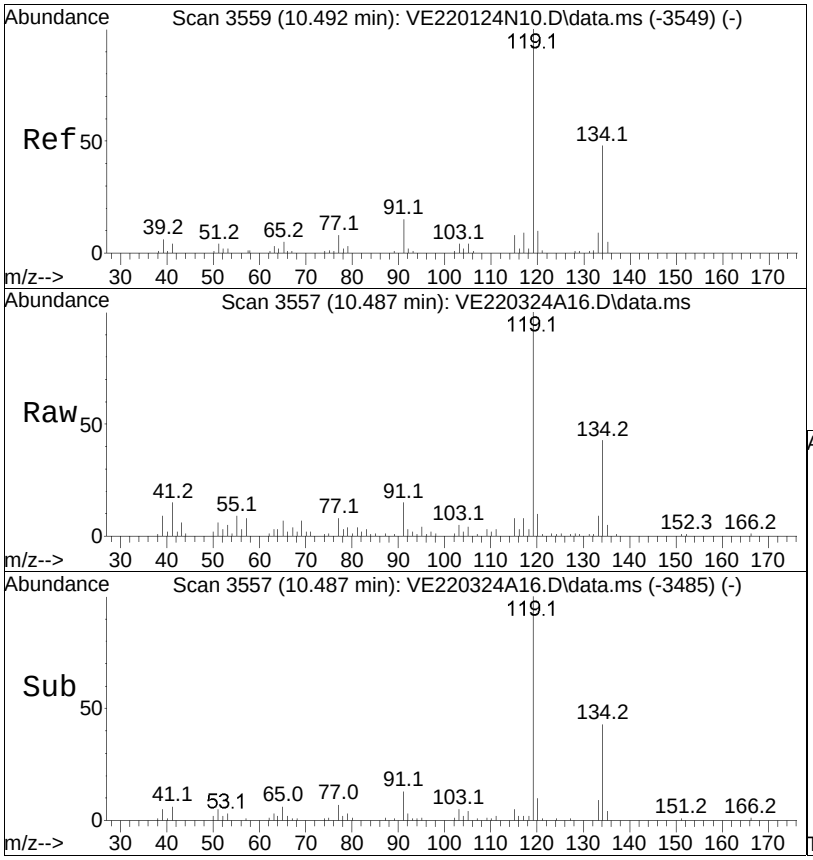


#103
n-Butylbenzene
Concen: 0.41 ug/L
RT: 10.061 min Scan# 3404
Delta R.T. -0.000 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion: 91 Resp: 1442

Ion	Ratio	Lower	Upper
91	100		
92	38.9	43.0	64.4#
134	0.0	19.6	29.4#

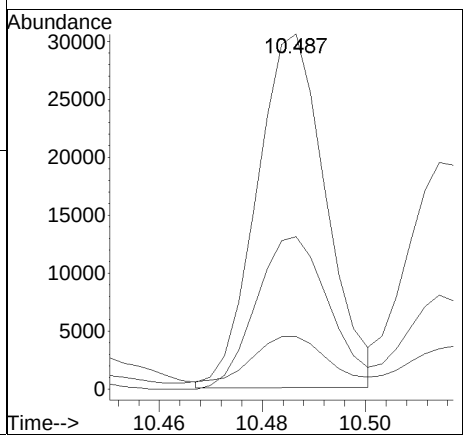


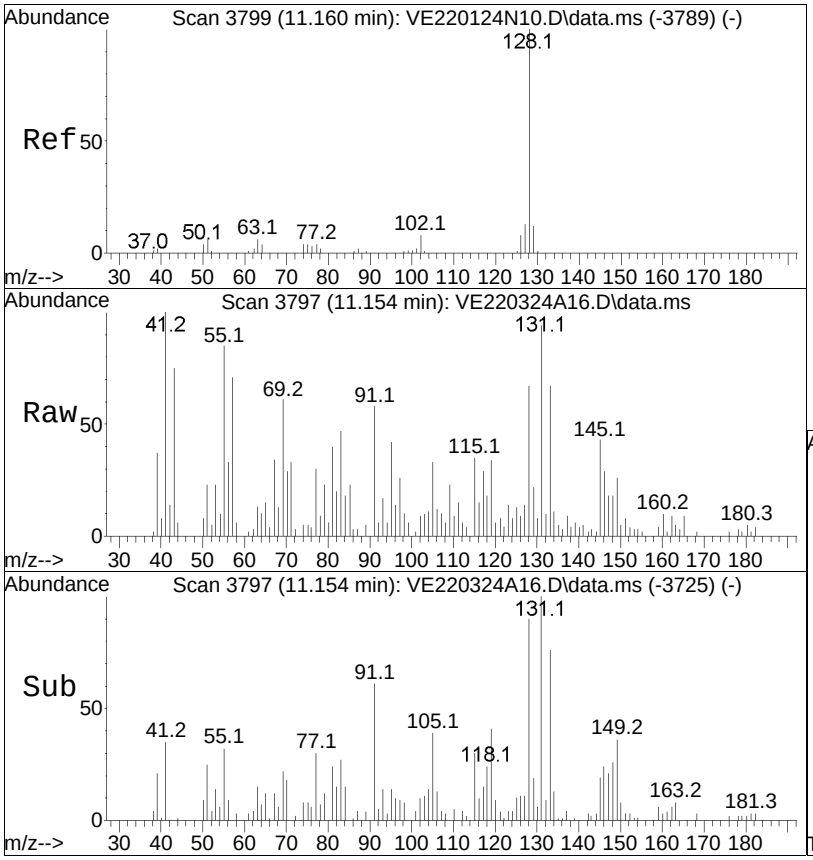


#105
1,2,4,5-Tetramethylbenzene
Concen: 3.03 ug/L
RT: 10.487 min Scan# 3557
Delta R.T. -0.000 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

Tgt Ion:119 Resp: 28419

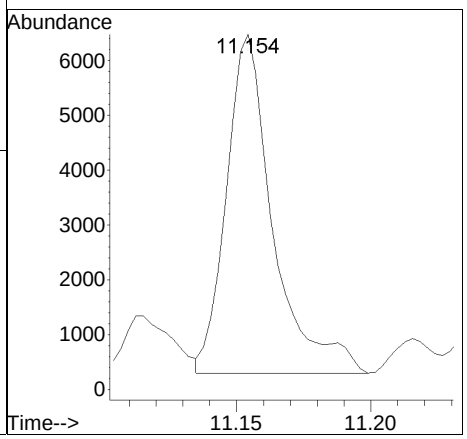
Ion	Ratio	Lower	Upper
119	100		
134	45.8	30.5	63.3
91	14.0	12.4	25.7





#110
Naphthalene
Concen: 1.11 ug/L
RT: 11.154 min Scan# 3797
Delta R.T. 0.000 min
Lab File: VE220324A16.D
Acq: 24 Mar 2022 12:06 pm

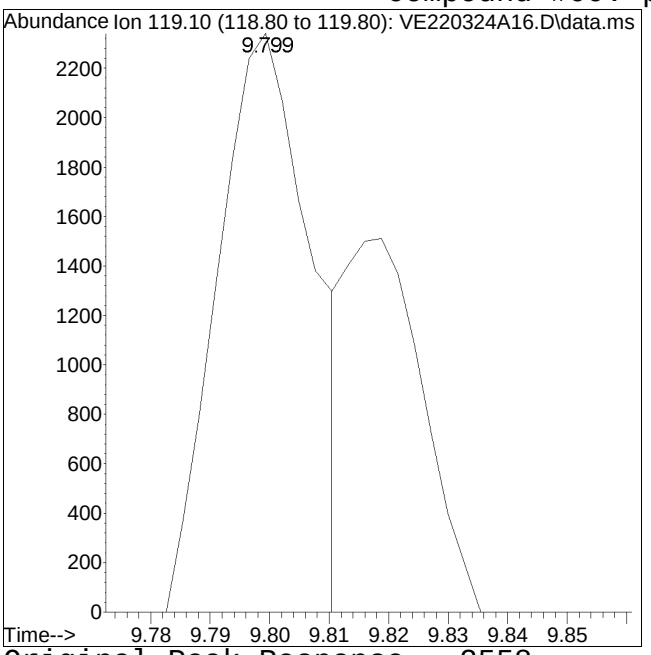
Tgt Ion:128 Resp: 7426



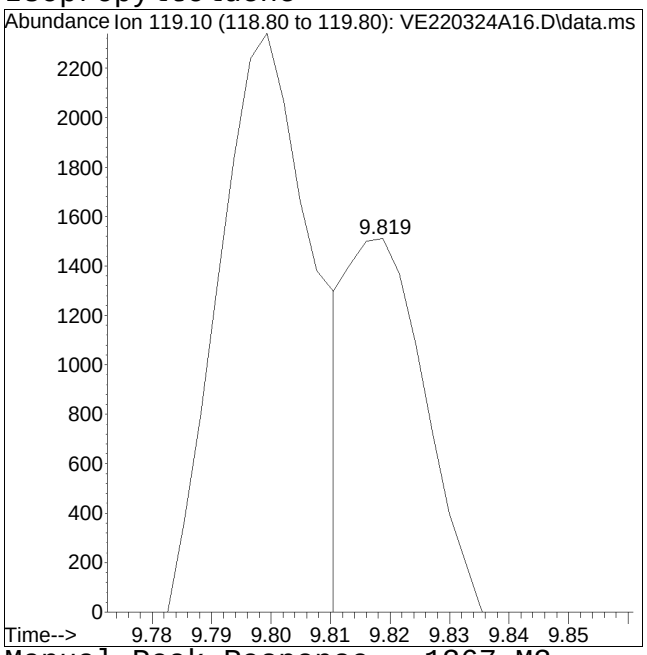
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220324A16.D Operator : ELAINE:PD
Date Inj'd : 3/24/2022 12:06 pm Instrument : Elaine
Sample : L2214084-06,31,10,10,,C Quant Date : 3/24/2022 2:52 pm

Compound #99: p-Isopropyltoluene



Original Peak Response = 2558



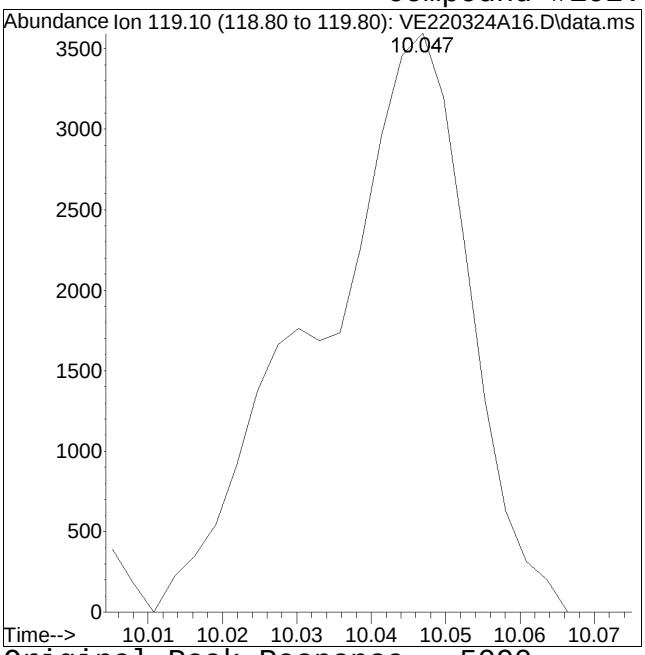
Manual Peak Response = 1367 M3

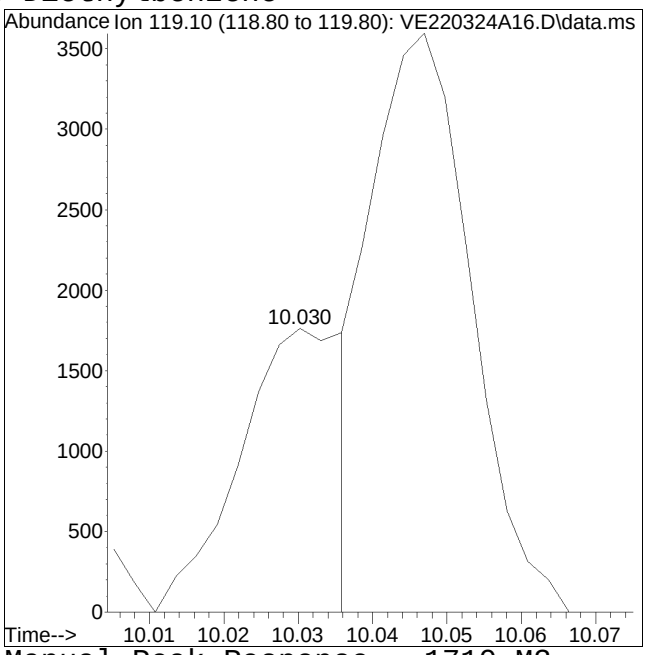
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220324A16.D Operator : ELAINE:PD
Date Inj'd : 3/24/2022 12:06 pm Instrument : Elaine
Sample : L2214084-06,31,10,10,,C Quant Date : 3/24/2022 2:52 pm

Compound #102: p-Diethylbenzene





Original Peak Response = 5090 Manual Peak Response = 1710 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A06.d
Acq On : 24 Mar 2022 8:59 am
Operator : VOA105:PD
Sample : l2214084-09,31,10,10,,a
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 25 12:43:52 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220324A\V05220324A01.d
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.860	96	296193	10.000	ug/L	0.00
Standard Area 1 = 325636			Recovery = 90.96%			
59) Chlorobenzene-d5	9.373	117	234299	10.000	ug/L	0.00
Standard Area 1 = 250615			Recovery = 93.49%			
79) 1,4-Dichlorobenzene-d4	12.106	152	128279	10.000	ug/L	0.00
Standard Area 1 = 144196			Recovery = 88.96%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	86854	11.257	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.57%			
43) 1,2-Dichloroethane-d4	5.586	65	112395	11.070	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.70%			
60) Toluene-d8	7.533	98	295996	9.674	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.74%			
83) 4-Bromofluorobenzene	10.891	95	115660	9.958	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.58%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.134	94	224	N.D.		
6) Chloroethane	2.232	64	278	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.887	76	315	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A06.d
Acq On : 24 Mar 2022 8:59 am
Operator : VOA105:PD
Sample : l2214084-09,31,10,10,,a
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 25 12:43:52 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220324A\V05220324A01.d
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	5.489	78	146		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	6.105	95	97		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.601	92	394		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	9.382	91	227		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	11.048	91	382		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	11.185	105	219		N.D.	
89) 2-Chlorotoluene	11.048	91	382		N.D.	
90) 1,3,5-Trimethylbenzene	11.283	105	356		N.D.	
91) 1,2,3-Trichloropropane	0.000		0		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	0.000		0		N.D.	
94) tert-Butylbenzene	11.606	119	337		N.D.	

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A06.d
Acq On : 24 Mar 2022 8:59 am
Operator : VOA105:PD
Sample : l2214084-09,31,10,10,,a
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 25 12:43:52 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220324A\V05220324A01.d
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	1,2,4-Trimethylbenzene	11.694	105	132	N.D.			
98)	sec-Butylbenzene	11.812	105	658	N.D.			
99)	p-Isopropyltoluene	11.969	119	587	N.D.			
100)	1,3-Dichlorobenzene	12.037	146	209	N.D.			
101)	1,4-Dichlorobenzene	12.125	146	634	N.D.			
102)	p-Diethylbenzene	12.341	119	669	N.D.			
103)	n-Butylbenzene	12.409	91	1042	N.D.			
104)	1,2-Dichlorobenzene	12.566	146	226	N.D.			
105)	1,2,4,5-Tetramethylben...	13.134	119	1632	N.D.			
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
108)	Hexachlorobutadiene	0.000		0	N.D.			
109)	1,2,4-Trichlorobenzene	13.977	180	794	0.098	ug/L	#	83
110)	Naphthalene	14.271	128	3291	0.213	ug/L		100
111)	1,2,3-Trichlorobenzene	14.427	180	1280	0.190	ug/L	#	66

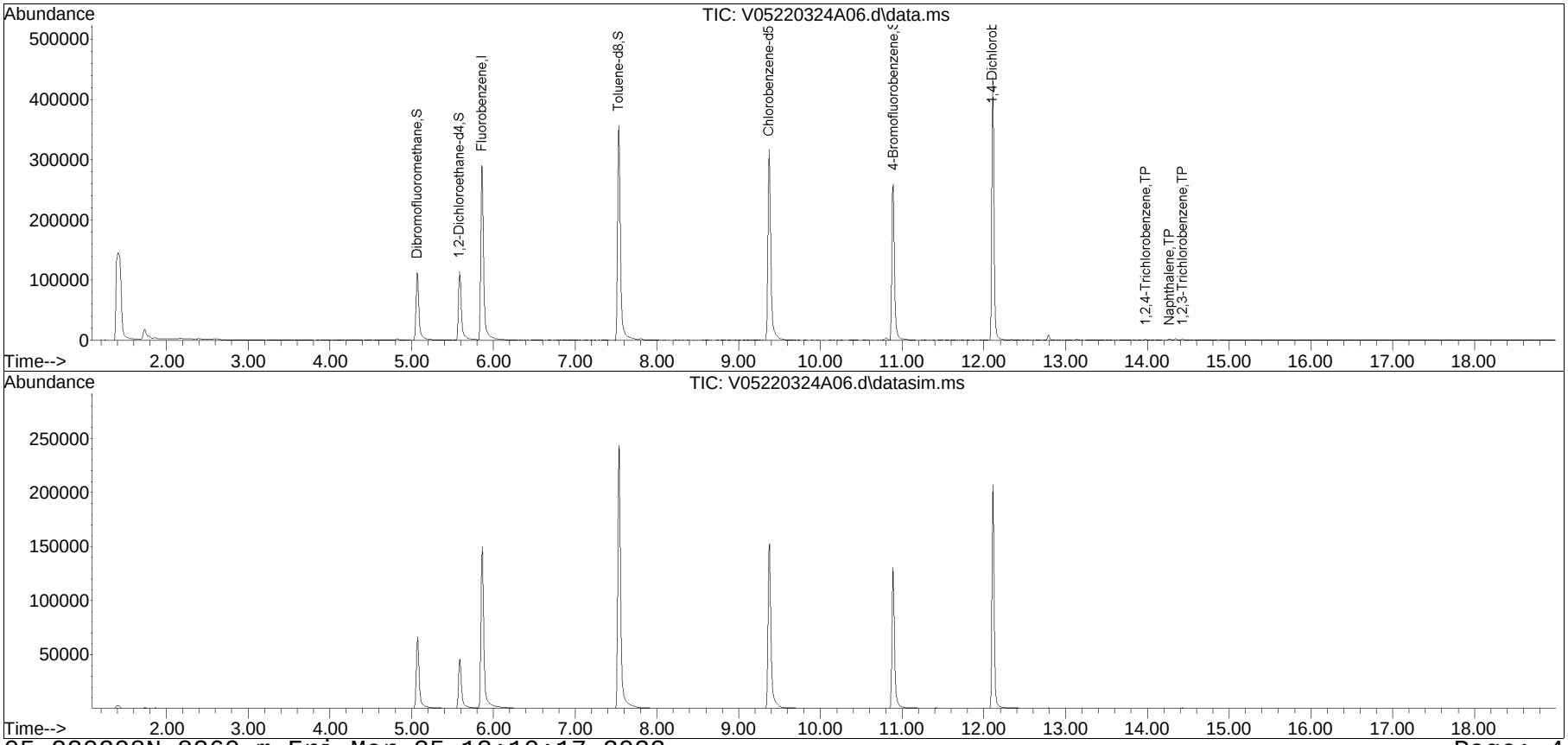
(#) = qualifier out of range (m) = manual integration (+) = signals summed

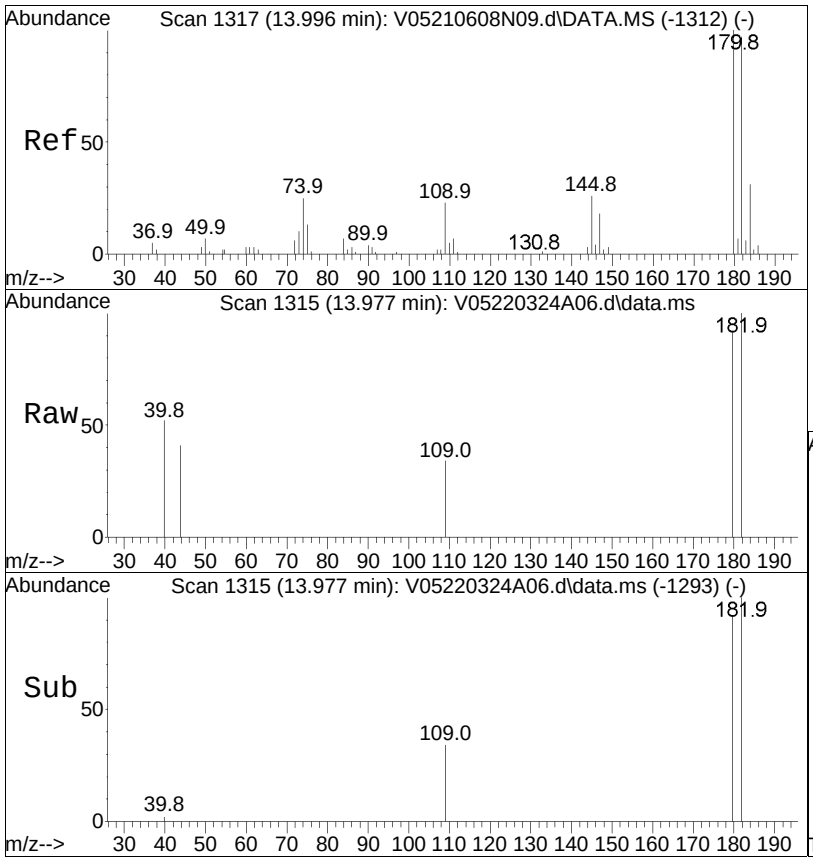
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A06.d
Acq On : 24 Mar 2022 8:59 am
Operator : VOA105:PD
Sample : l2214084-09,31,10,10,,a
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 25 12:43:52 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20324A\V05220324A01.d•

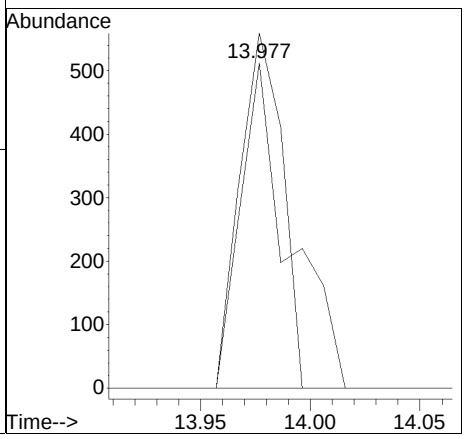


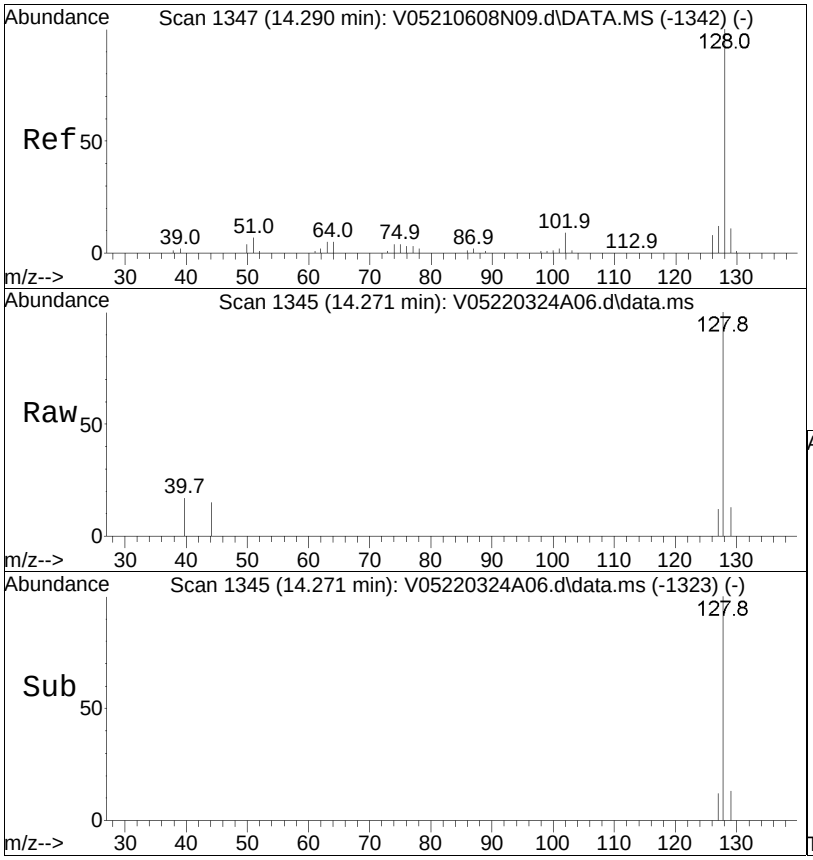


#109
1,2,4-Trichlorobenzene
Concen: 0.10 ug/L
RT: 13.977 min Scan# 1315
Delta R.T. 0.020 min
Lab File: V05220324A06.d
Acq: 24 Mar 2022 8:59 am

Tgt Ion:180 Resp: 794

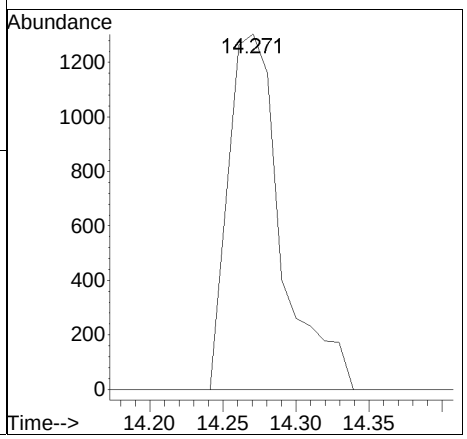
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.2	112.8
145	0.0	27.4	41.2#

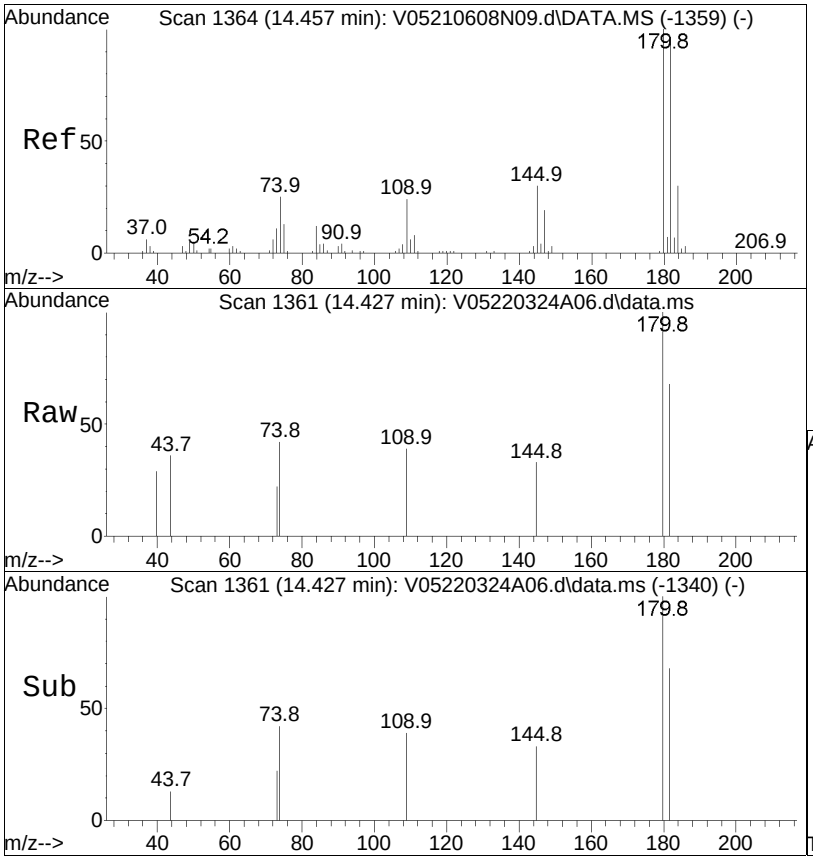




#110
Naphthalene
Concen: 0.21 ug/L
RT: 14.271 min Scan# 1345
Delta R.T. 0.020 min
Lab File: V05220324A06.d
Acq: 24 Mar 2022 8:59 am

Tgt Ion:128 Resp: 3291

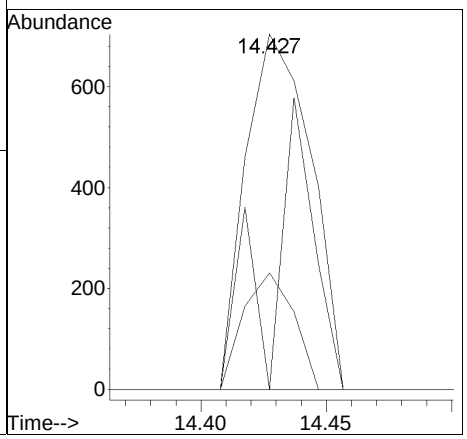




#111
1,2,3-Trichlorobenzene
Concen: 0.19 ug/L
RT: 14.427 min Scan# 1361
Delta R.T. 0.009 min
Lab File: V05220324A06.d
Acq: 24 Mar 2022 8:59 am

Tgt Ion:180 Resp: 1280

Ion	Ratio	Lower	Upper
180	100		
182	54.5	75.5	113.3#
145	25.2	26.5	39.7#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA105\2022\2	QMethod	: V105_220208N_8260.m
Data File	: V05220324A06.d	Operator	: VOA105:PD
Date Inj'd	: 3/24/2022 8:59 am	Instrument	: VOA 105
Sample	: l2214084-09,31,10,10,,a	Quant Date	: 3/25/2022 12:43 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A07.D
Acq On : 29 Mar 2022 8:51 am
Operator : ELAINE:PD
Sample : L2214084-07,31,10,10,,C
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 12:40:53 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220329A\VE220329A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.311	96	170043	10.000 ug/L	0.00
Standard Area 1 = 198954			Recovery = 85.47%		
59) Chlorobenzene-d5	8.386	117	133555	10.000 ug/L	0.00
Standard Area 1 = 145633			Recovery = 91.71%		
79) 1,4-Dichlorobenzene-d4	9.894	152	71518	10.000 ug/L	0.00
Standard Area 1 = 74897			Recovery = 95.49%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.299	113	45566	10.929 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.29%		
43) 1,2-Dichloroethane-d4	4.961	65	48721	9.846 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.46%		
60) Toluene-d8	7.042	98	172794	9.870 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.70%		
83) 4-Bromofluorobenzene	9.220	95	65255	9.584 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.84%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	1.016	50	124	N.D.	
4) Vinyl chloride	1.060	62	155538	43.644 ug/L	96
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	1.767	96	462	0.185 ug/L	88
11) Carbon disulfide	0.000		0	N.D. d	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	2.287	43	772	1.049 ug/L #	77
18) trans-1,2-Dichloroethene	2.362	96	4705	1.771 ug/L	94
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	3.620	96	206882	67.503 ug/L	91
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A07.D
Acq On : 29 Mar 2022 8:51 am
Operator : ELAINE:PD
Sample : L2214084-07,31,10,10,,C
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 12:40:53 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220329A\VE220329A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	4.766	78	113	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	5.506	95	2823	0.993	ug/L #	83
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.095	92	1101	0.140	ug/L	99
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.454	166	123	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D. d		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D. d		
73) Chlorobenzene	8.391	112	117	N.D.		
74) Ethylbenzene	8.441	91	922	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	8.550	106	625	0.118	ug/L	80
77) o Xylene	8.836	106	1540	0.294	ug/L	99
78) Styrene	8.884	104	82	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.051	105	1200	0.087	ug/L	97
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	9.315	91	1526	0.097	ug/L #	78
87) 1,1,2,2-Tetrachloroethane	9.371	83	25	N.D.		
88) 4-Ethyltoluene	9.382	105	1255	0.096	ug/L	100
89) 2-Chlorotoluene	9.385	91	176	N.D.		
90) 1,3,5-Trimethylbenzene	9.437	105	1201	0.109	ug/L	95
91) 1,2,3-Trichloropropane	9.282	75	57	N.D.		
92) trans-1,4-Dichloro-2-b...	9.443	53	28	N.D.		
93) 4-Chlorotoluene	9.499	91	203	N.D.		
94) tert-Butylbenzene	9.624	119	1640	0.185	ug/L	96

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A07.D
Acq On : 29 Mar 2022 8:51 am
Operator : ELAINE:PD
Sample : L2214084-07,31,10,10,,C
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 12:40:53 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220329A\VE220329A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	1,2,4-Trimethylbenzene	9.668	105	918	0.081	ug/L		98
98)	sec-Butylbenzene	9.730	105	2819	0.240	ug/L	#	85
99)	p-Isopropyltoluene	9.816	119	361M3	0.286	ug/L		
100)	1,3-Dichlorobenzene	9.905	146	371	N.D.			
101)	1,4-Dichlorobenzene	9.905	146	371	N.D.			
102)	p-Diethylbenzene	10.030	119	1794M3	0.303	ug/L		
103)	n-Butylbenzene	10.063	91	1078	0.371	ug/L	#	6
104)	1,2-Dichlorobenzene	10.141	146	151	N.D.			
105)	1,2,4,5-Tetramethylben...	10.486	119	23246	2.468	ug/L		96
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d		
108)	Hexachlorobutadiene	0.000		0	N.D.			
109)	1,2,4-Trichlorobenzene	10.973	180	395	0.115	ug/L	#	1
110)	Naphthalene	11.154	128	4273	0.757	ug/L		100
111)	1,2,3-Trichlorobenzene	11.257	180	302	0.095	ug/L	#	1

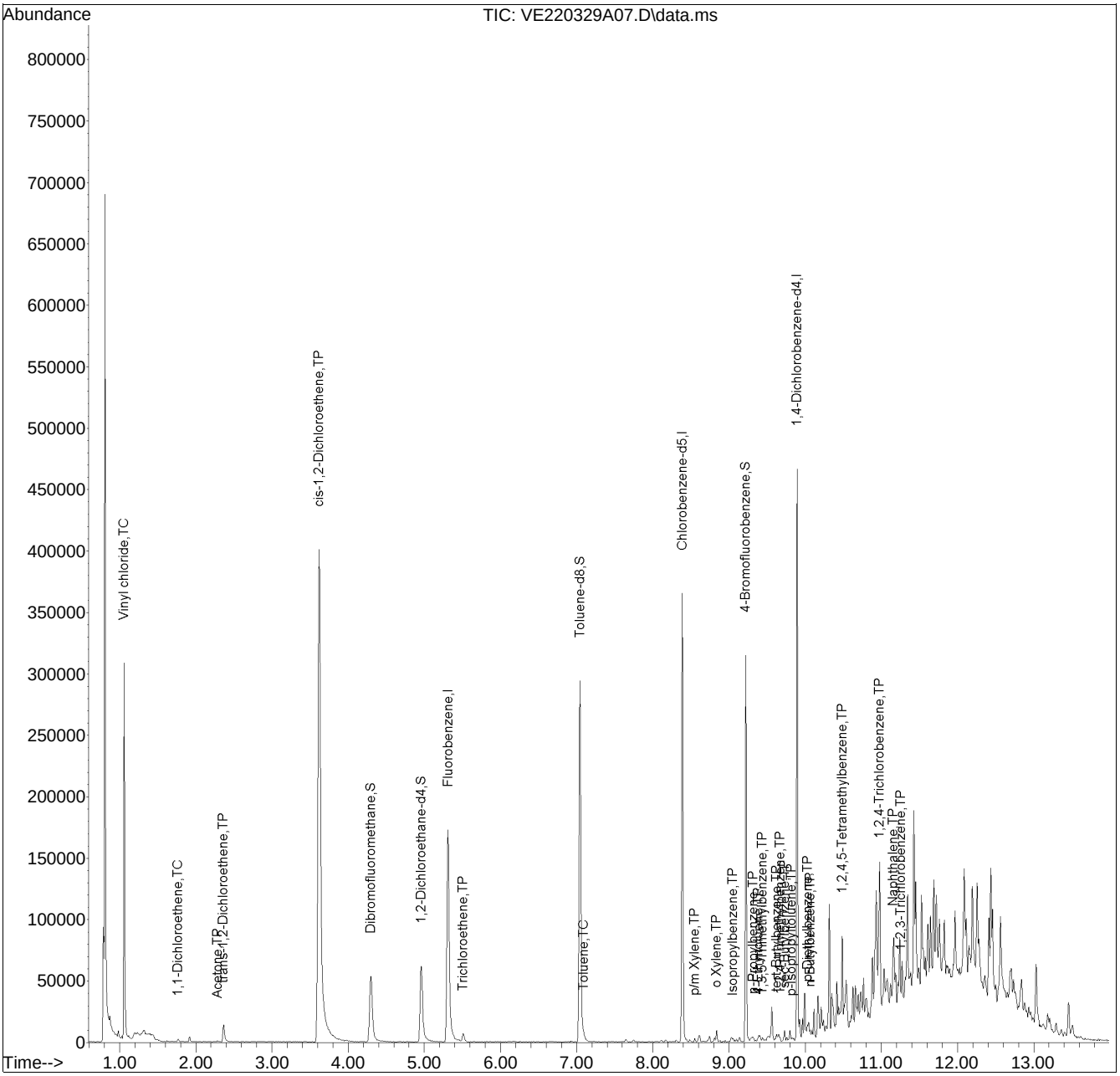
(#) = qualifier out of range (m) = manual integration (+) = signals summed

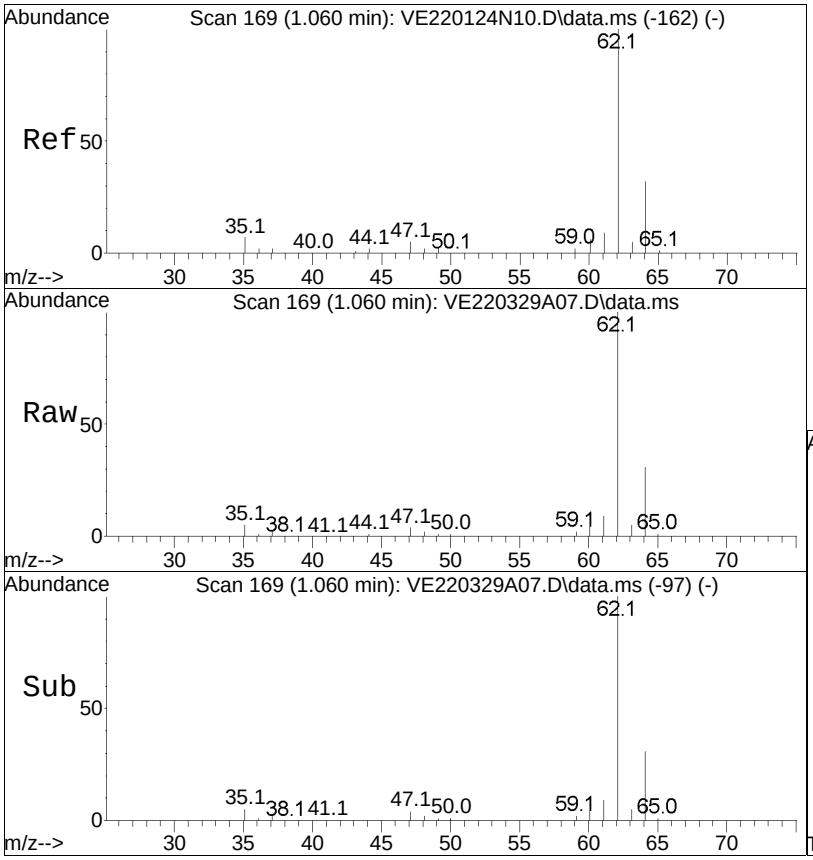
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A07.D
Acq On : 29 Mar 2022 8:51 am
Operator : ELAINE:PD
Sample : L2214084-07,31,10,10,,C
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 12:40:53 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20329A\VE220329A01.D•

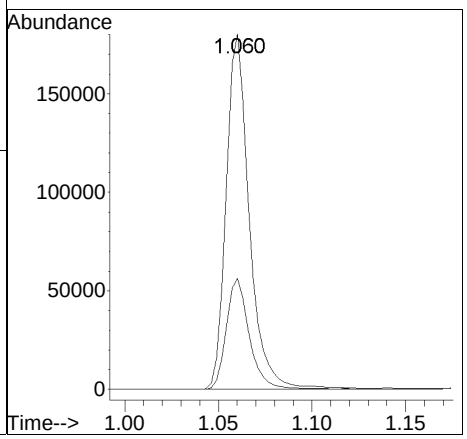


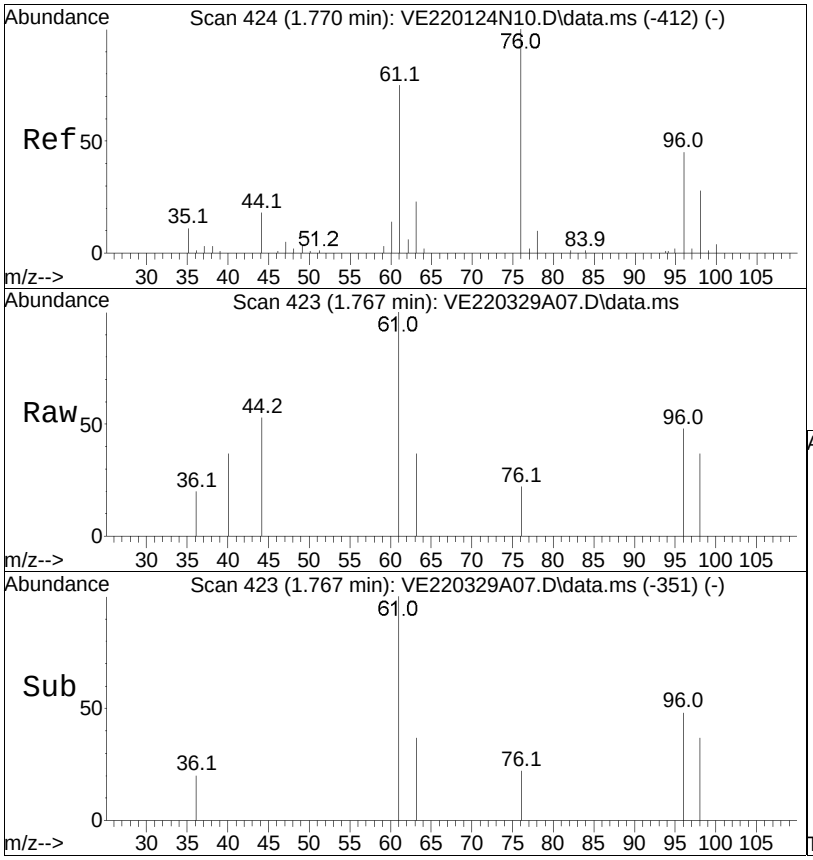


#4
Vinyl chloride
Concen: 43.64 ug/L
RT: 1.060 min Scan# 169
Delta R.T. 0.000 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion: 62 Resp: 155538

Ion	Ratio	Lower	Upper
62	100		
64	31.0	9.1	49.1

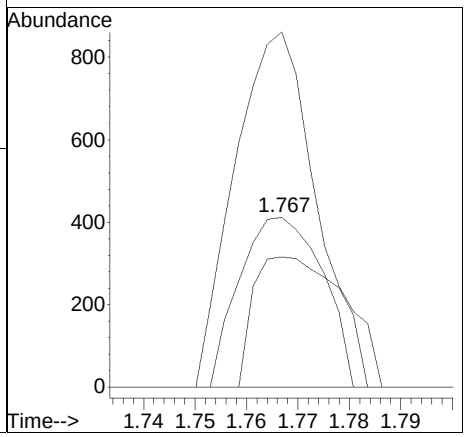


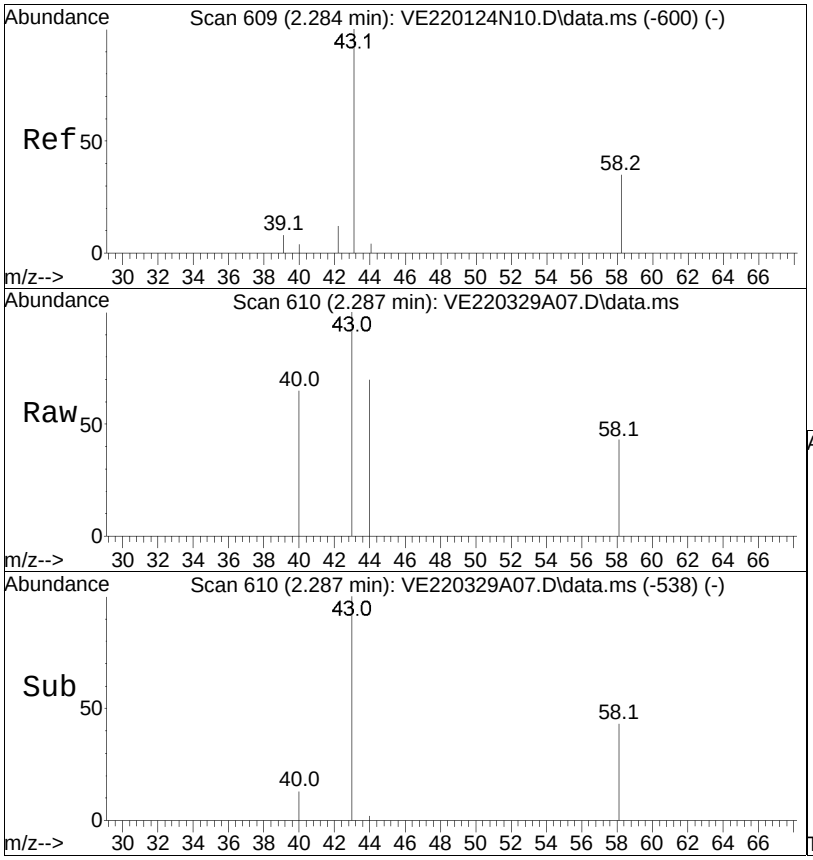


#10
1,1-Dichloroethene
Concen: 0.19 ug/L
RT: 1.767 min Scan# 423
Delta R.T. -0.000 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion: 96 Resp: 462

Ion	Ratio	Lower	Upper
96	100		
61	210.6	186.1	279.1
63	77.9	57.6	86.4

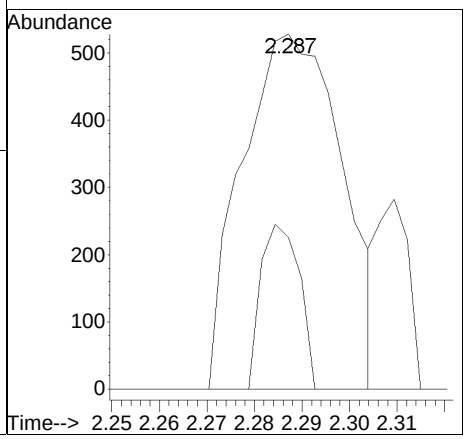


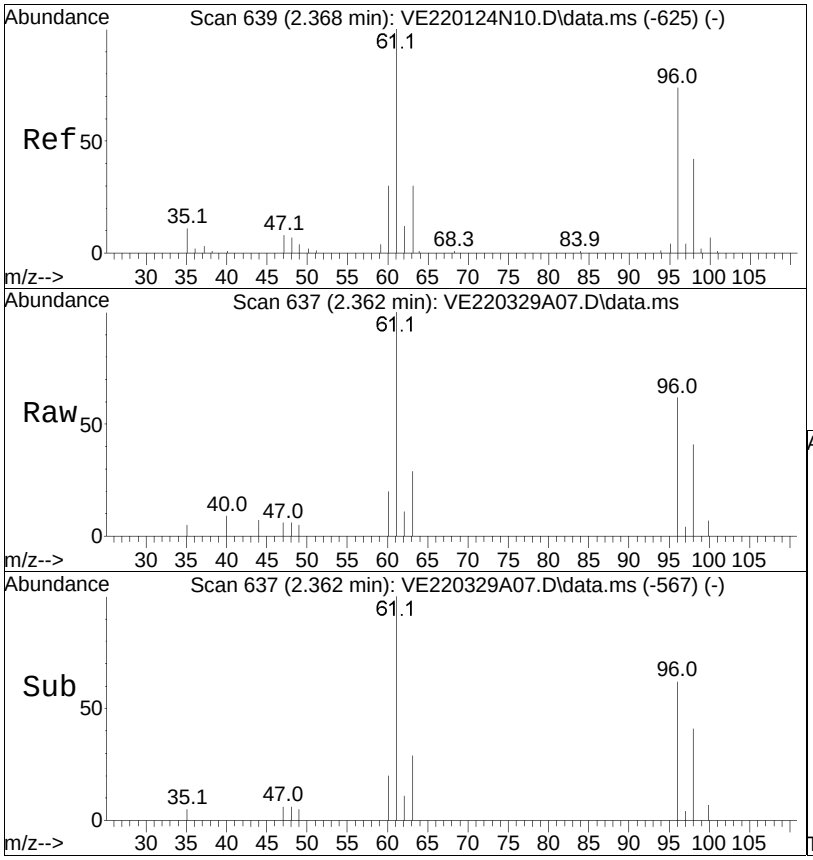


#17
Acetone
Concen: 1.05 ug/L
RT: 2.287 min Scan# 610
Delta R.T. 0.000 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion: 43 Resp: 772

Ion	Ratio	Lower	Upper
43	100		
58	17.9	24.2	36.4#

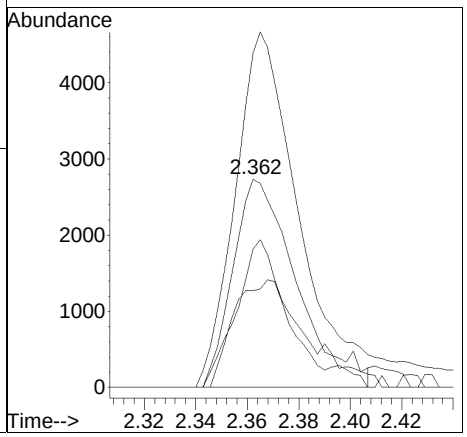


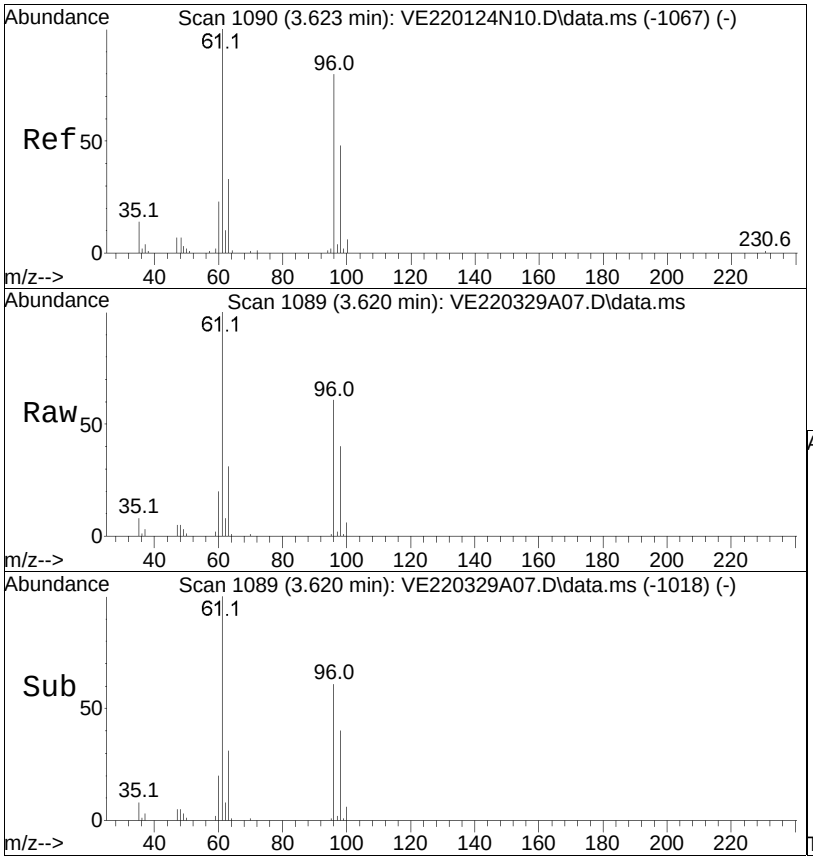


#18
trans-1,2-Dichloroethene
Concen: 1.77 ug/L
RT: 2.362 min Scan# 637
Delta R.T. -0.006 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion: 96 Resp: 4705

Ion	Ratio	Lower	Upper
96	100		
61	183.5	124.0	257.6
98	65.7	41.2	85.6
63	48.7	38.4	79.7

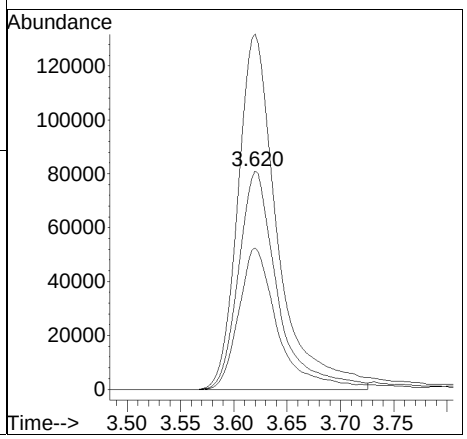


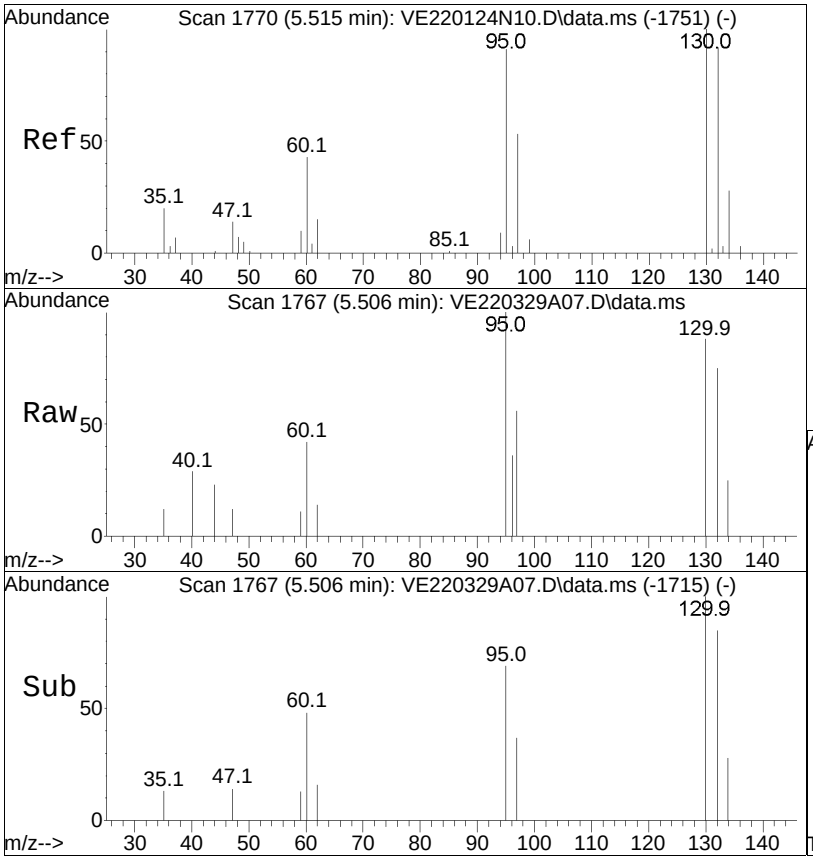


#28
cis-1,2-Dichloroethene
Concen: 67.50 ug/L
RT: 3.620 min Scan# 1089
Delta R.T. -0.003 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion: 96 Resp: 206882

Ion	Ratio	Lower	Upper
96	100		
61	169.9	149.4	224.2
98	64.5	53.4	80.2

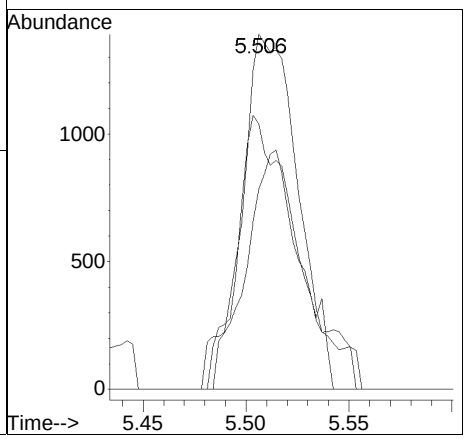


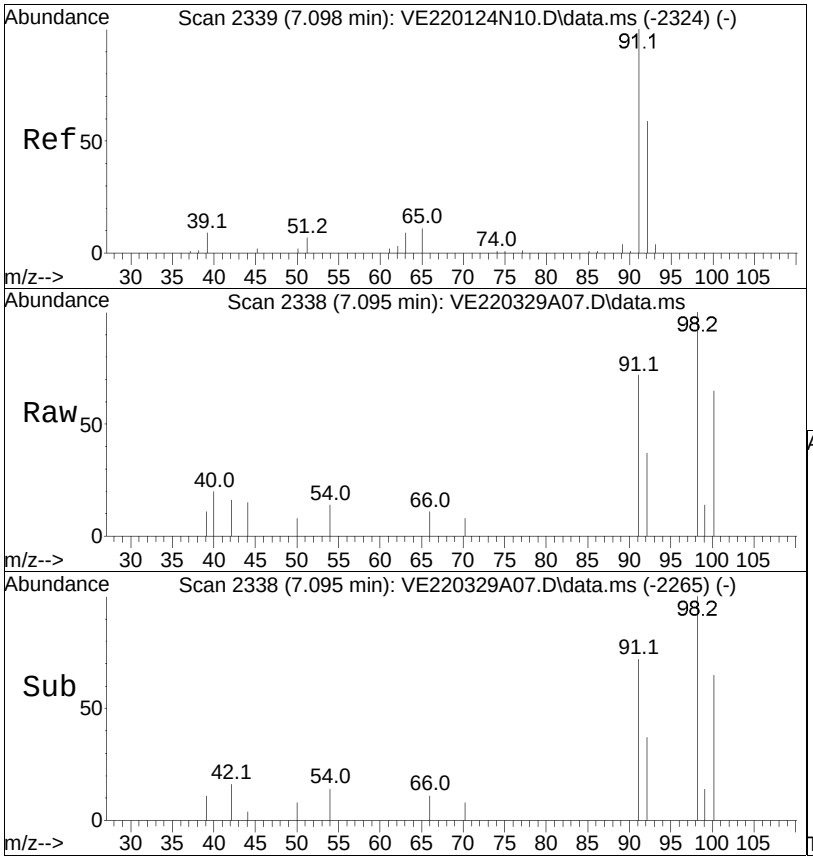


#48
Trichloroethene
Concen: 0.99 ug/L
RT: 5.506 min Scan# 1767
Delta R.T. -0.006 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion: 95 Resp: 2823

Ion	Ratio	Lower	Upper
95	100		
97	64.0	55.5	83.3
132	72.6	76.6	115.0#

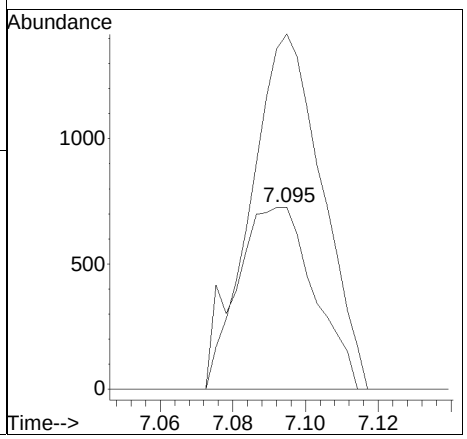


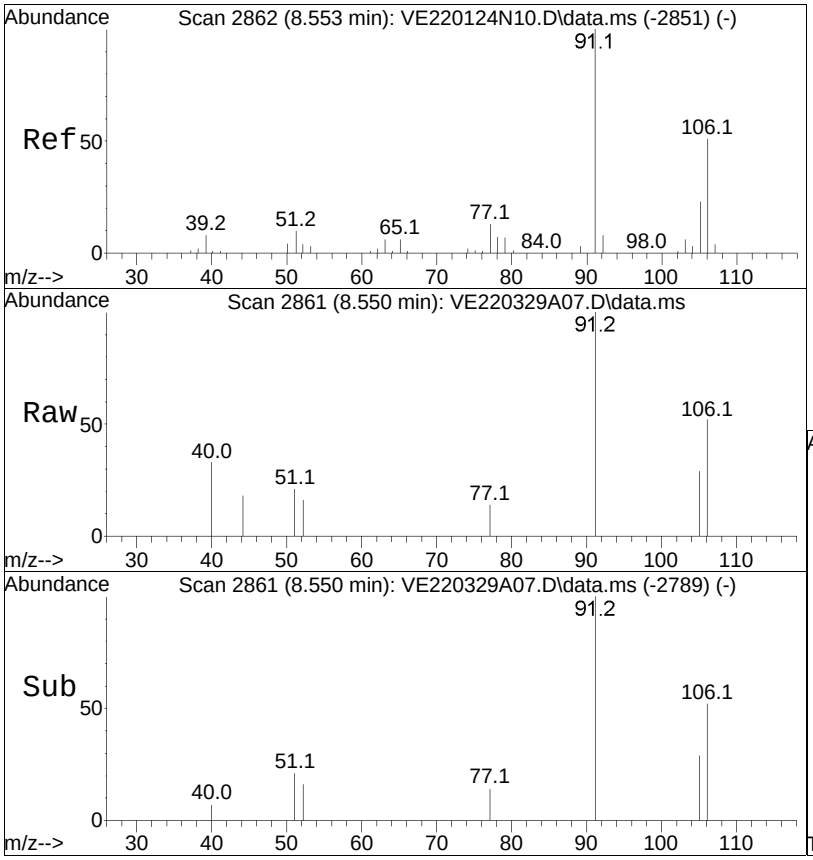


#61
Toluene
Concen: 0.14 ug/L
RT: 7.095 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion: 92 Resp: 1101

Ion	Ratio	Lower	Upper
92	100		
91	173.8	139.8	209.6

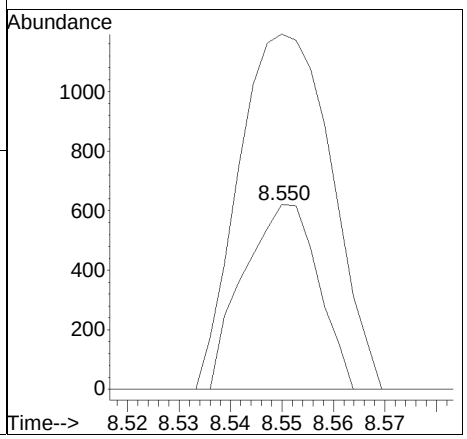


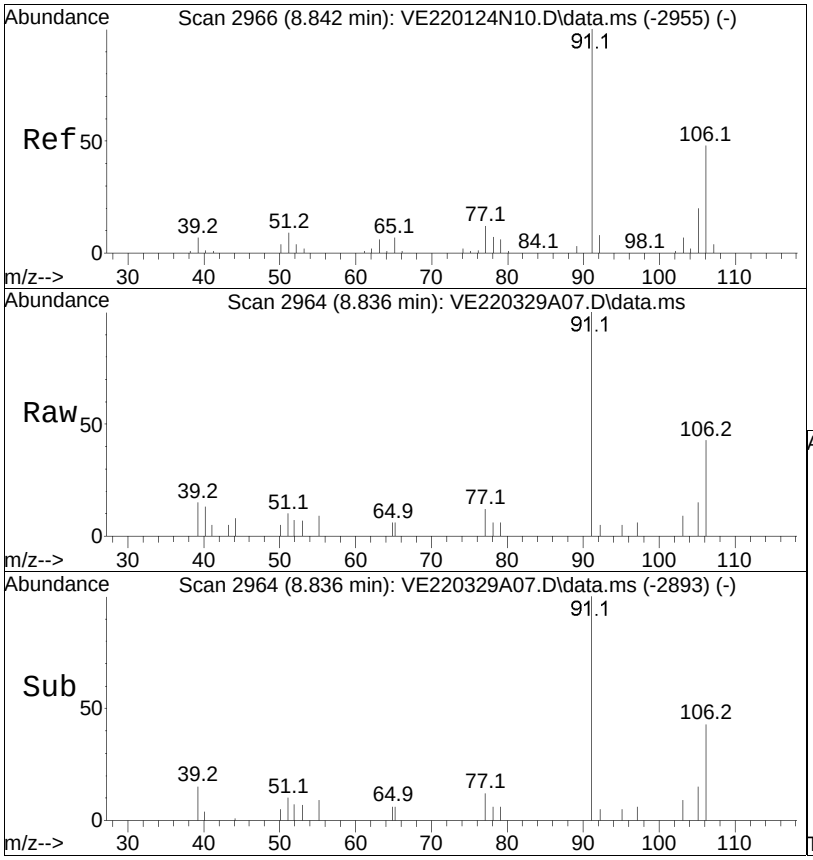


#76
p/m Xylene
Concen: 0.12 ug/L
RT: 8.550 min Scan# 2861
Delta R.T. -0.000 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion:106 Resp: 625

Ion	Ratio	Lower	Upper
106	100		
91	238.4	166.4	249.6

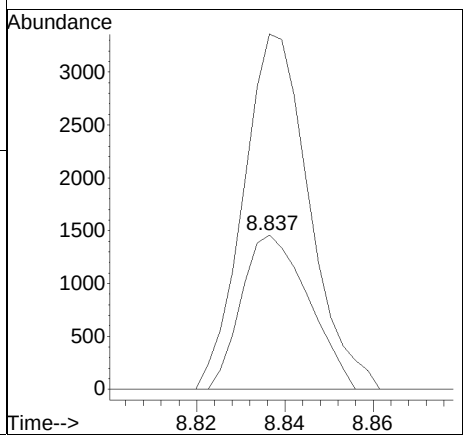


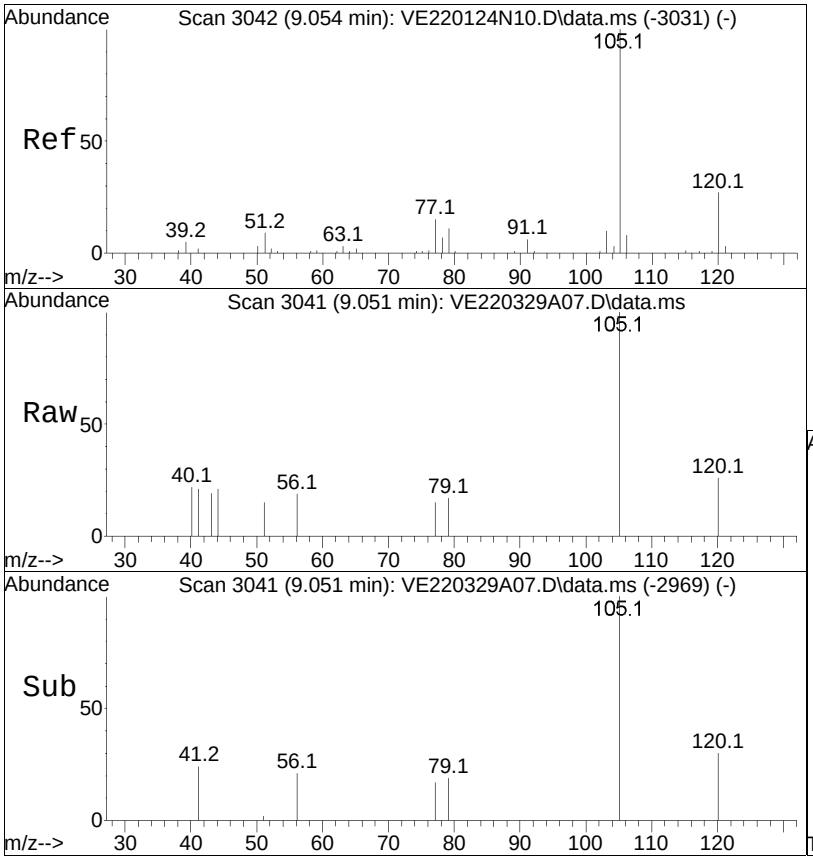


#77
o Xylene
Concen: 0.29 ug/L
RT: 8.836 min Scan# 2964
Delta R.T. -0.003 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion:106 Resp: 1540

Ion	Ratio	Lower	Upper
106	100		
91	226.4	182.6	273.8

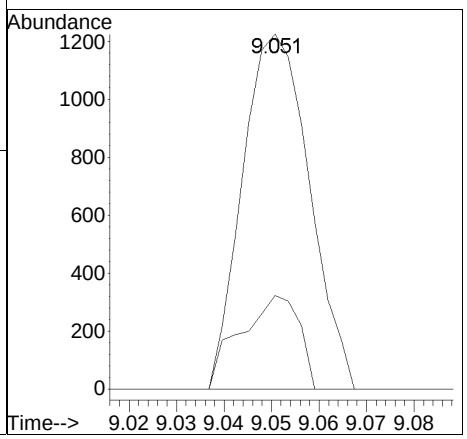


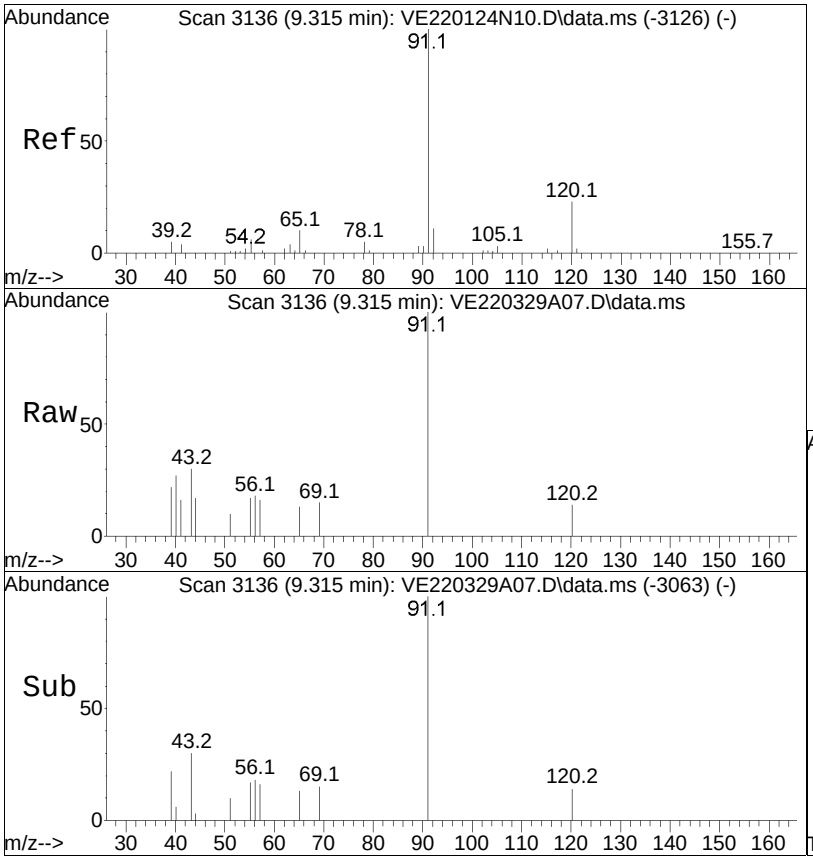


#82
Isopropylbenzene
Concen: 0.09 ug/L
RT: 9.051 min Scan# 3041
Delta R.T. -0.000 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion:105 Resp: 1200

Ion	Ratio	Lower	Upper
105	100		
120	23.2	4.8	44.8

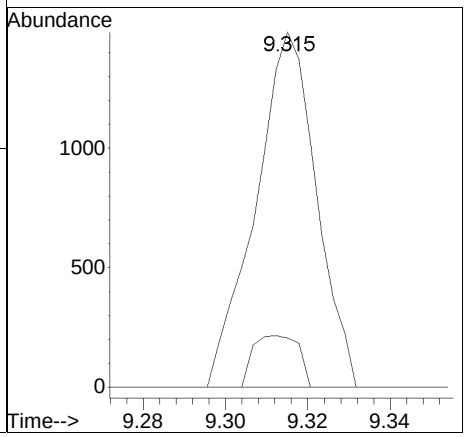


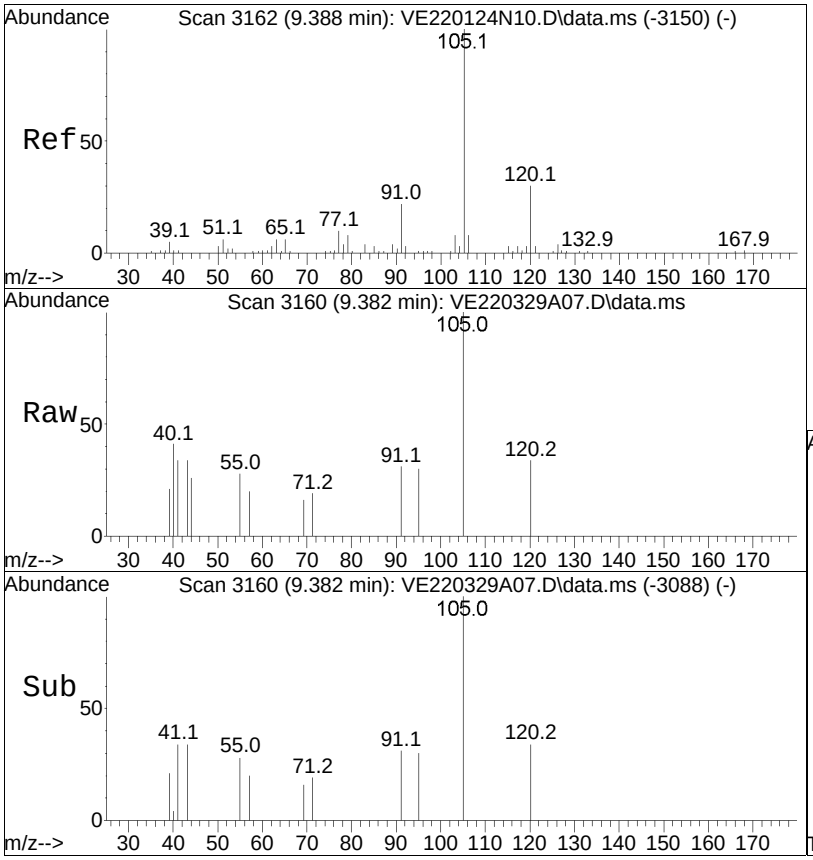


#85
n-Propylbenzene
Concen: 0.10 ug/L
RT: 9.315 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion: 91 Resp: 1526

Ion	Ratio	Lower	Upper
91	100		
120	10.9	17.0	25.6#

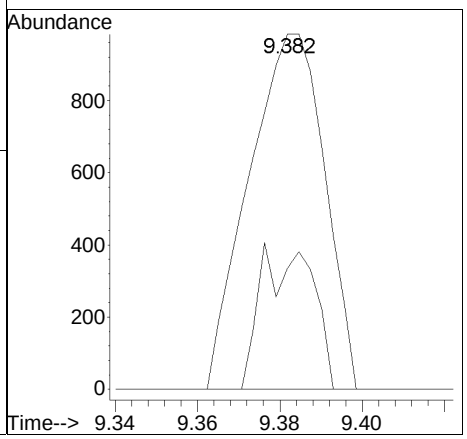


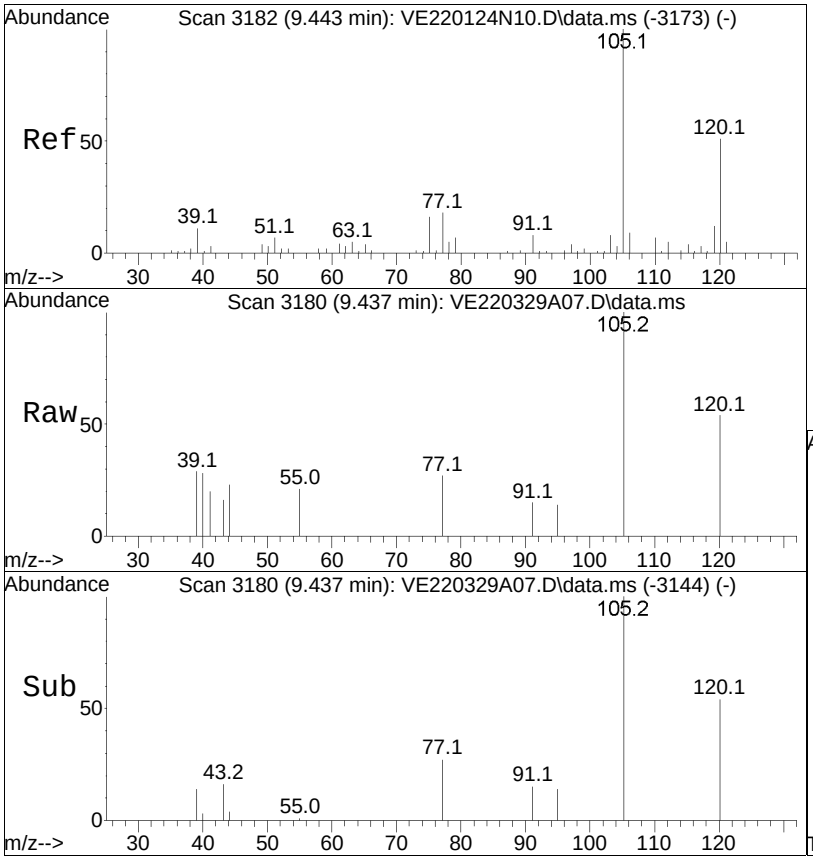


#88
4-Ethyltoluene
Concen: 0.10 ug/L
RT: 9.382 min Scan# 3160
Delta R.T. -0.000 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion:105 Resp: 1255

Ion	Ratio	Lower	Upper
105	100		
120	27.8	18.1	37.7

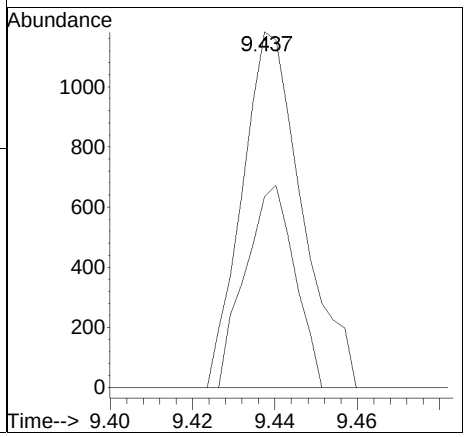


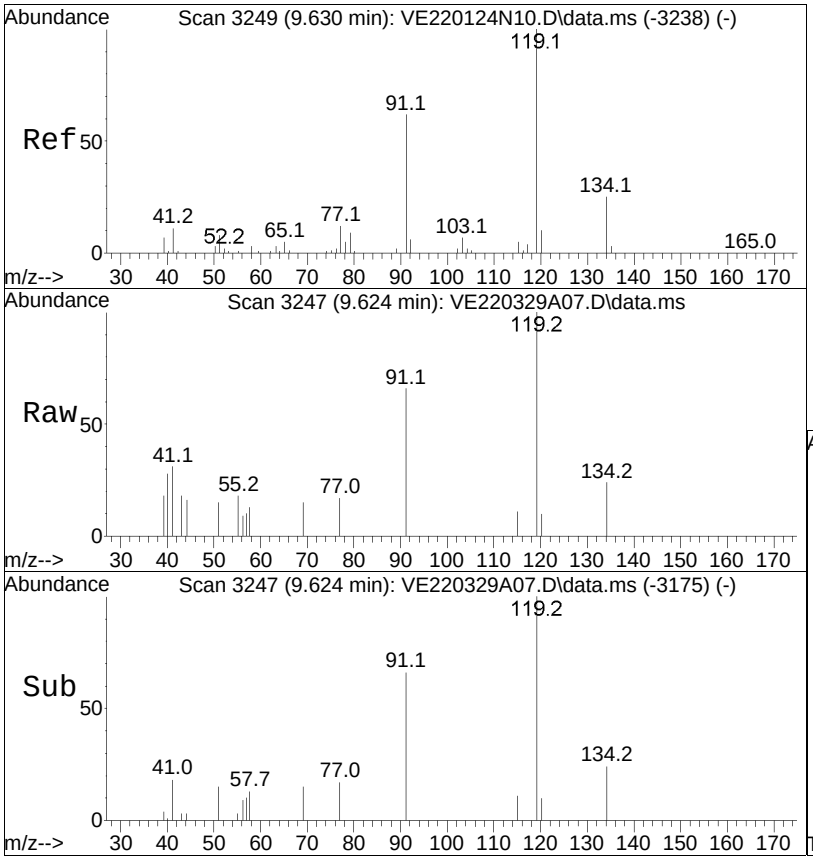


#90
1,3,5-Trimethylbenzene
Concen: 0.11 ug/L
RT: 9.437 min Scan# 3180
Delta R.T. -0.001 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion:105 Resp: 1201

Ion	Ratio	Lower	Upper
105	100		
120	46.9	34.8	52.2

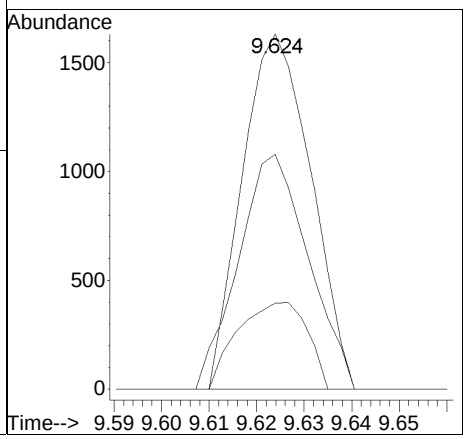


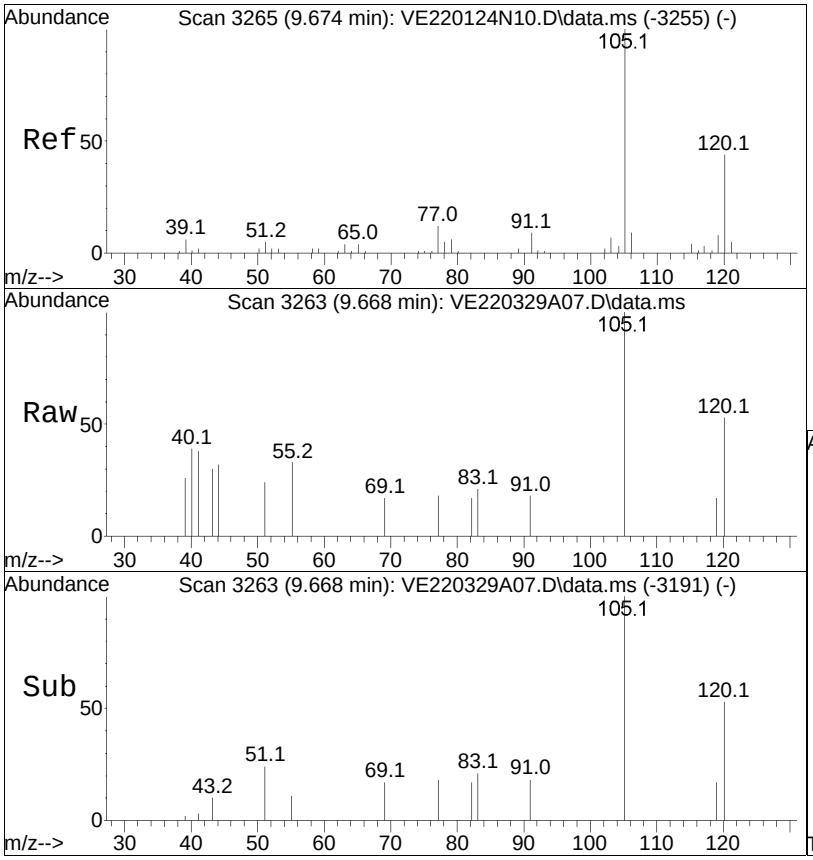


#94
tert-Butylbenzene
Concen: 0.19 ug/L
RT: 9.624 min Scan# 3247
Delta R.T. -0.000 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion:119 Resp: 1640

Ion	Ratio	Lower	Upper
119	100		
91	67.3	51.4	77.2
134	24.8	18.3	27.5

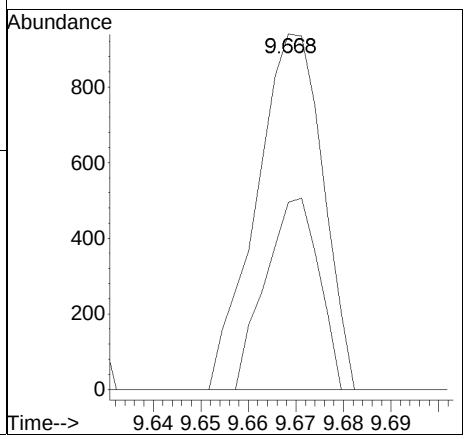


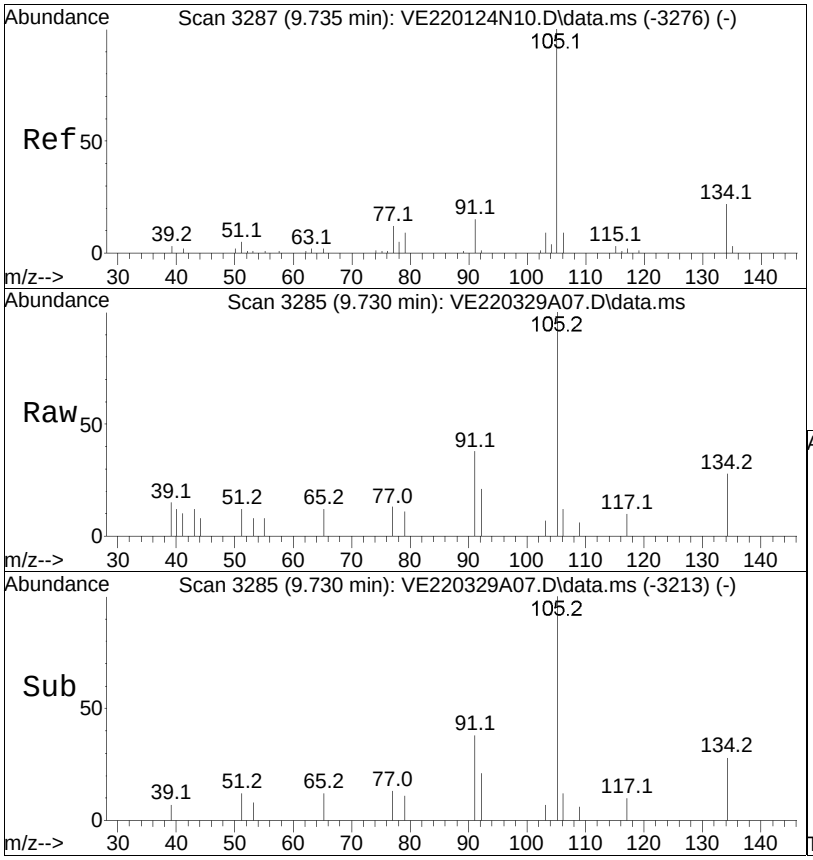


#97
1,2,4-Trimethylbenzene
Concen: 0.08 ug/L
RT: 9.668 min Scan# 3263
Delta R.T. -0.001 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion:105 Resp: 918

Ion	Ratio	Lower	Upper
105	100		
120	43.1	33.4	50.0

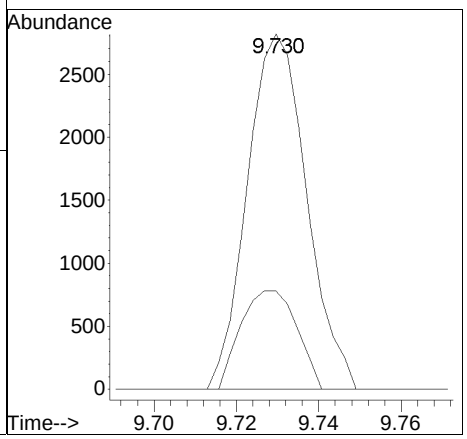


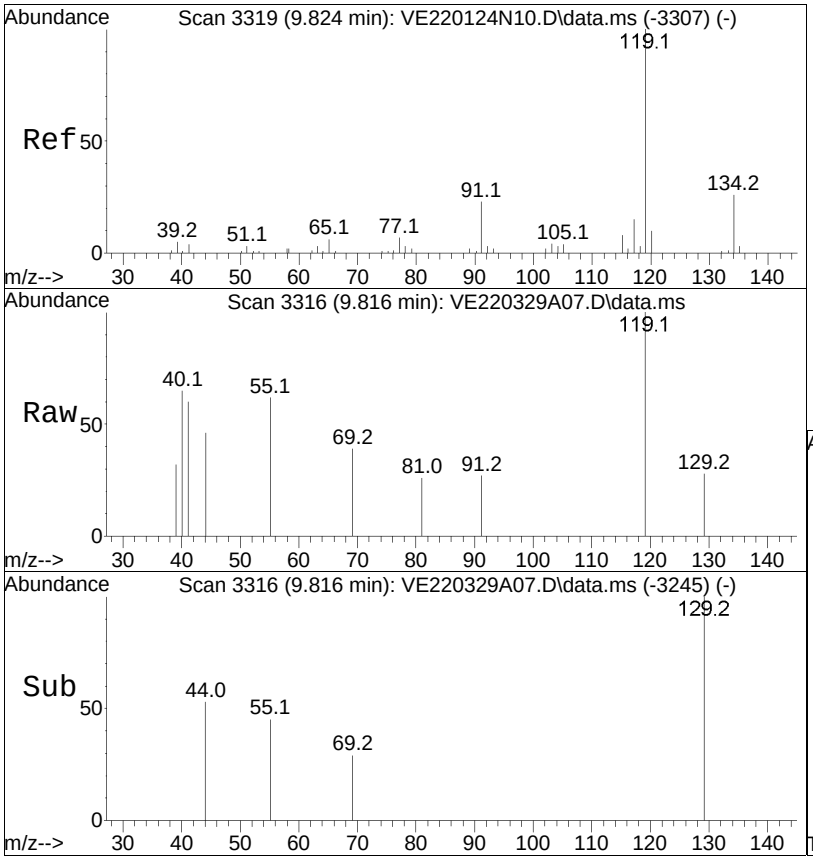


#98
sec-Butylbenzene
Concen: 0.24 ug/L
RT: 9.730 min Scan# 3285
Delta R.T. -0.000 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion:105 Resp: 2819

Ion	Ratio	Lower	Upper
105	100		
134	26.3	12.5	26.1#

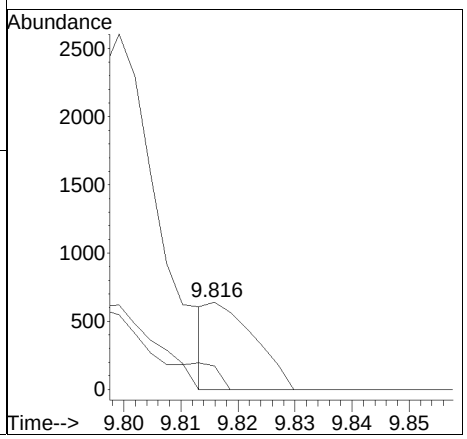


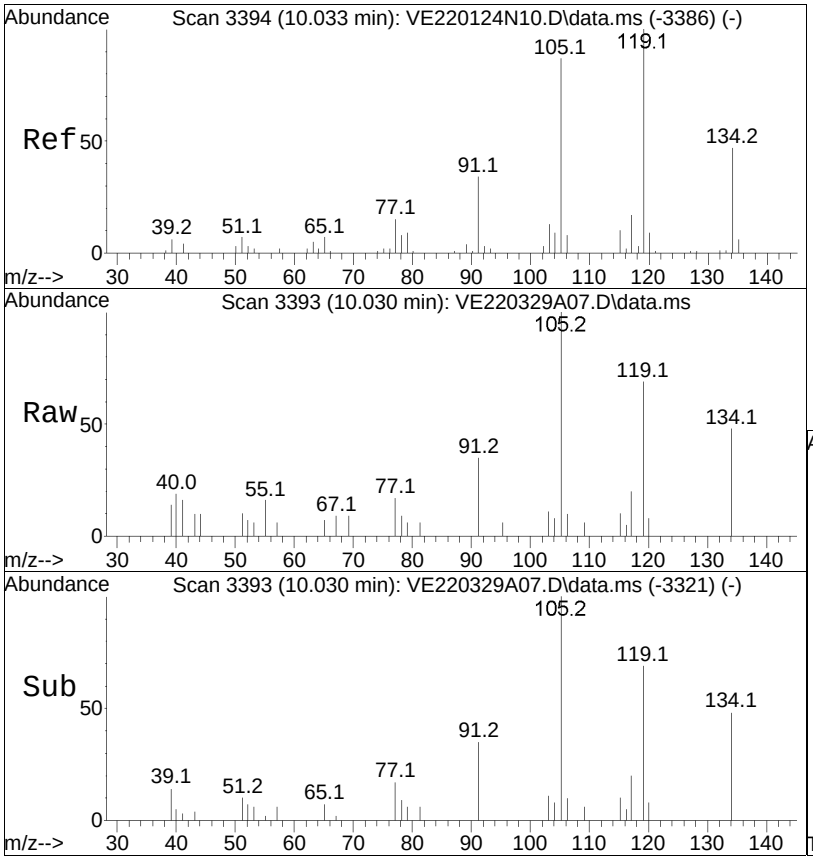


#99
p-Isopropyltoluene
Concen: 0.29 ug/L M3
RT: 9.816 min Scan# 3316
Delta R.T. -0.003 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion:119 Resp: 361

Ion	Ratio	Lower	Upper
119	100		
134	165.4	16.1	33.3#
91	160.9	17.3	35.9#

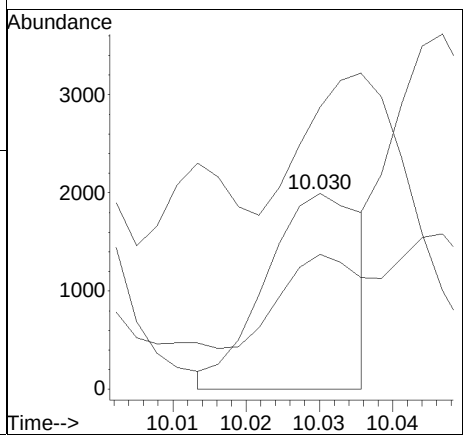


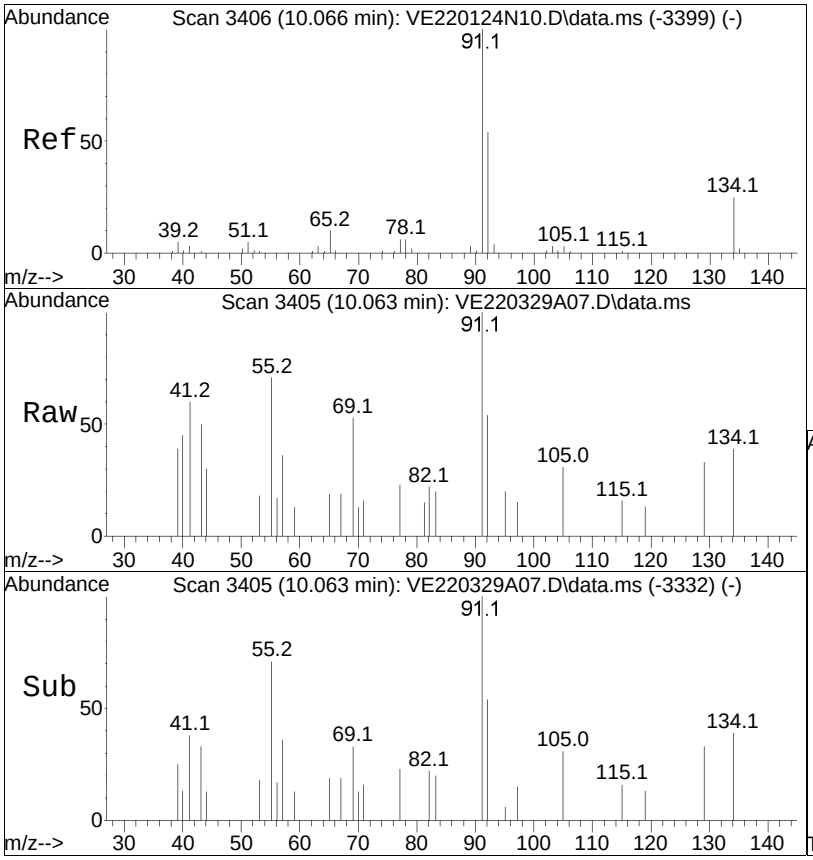


#102
p-Diethylbenzene
Concen: 0.30 ug/L M3
RT: 10.030 min Scan# 3393
Delta R.T. 0.000 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion:119 Resp: 1794

Ion	Ratio	Lower	Upper
119	100		
105	366.3	59.5	123.7#
134	181.7	30.2	62.6#

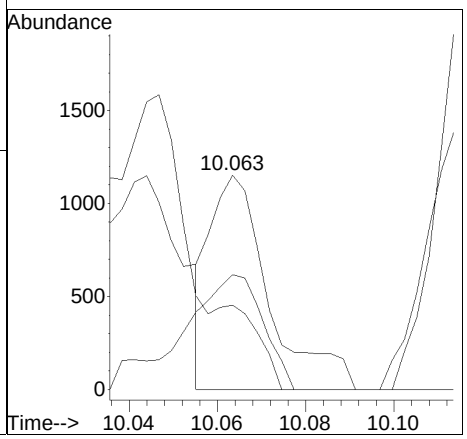


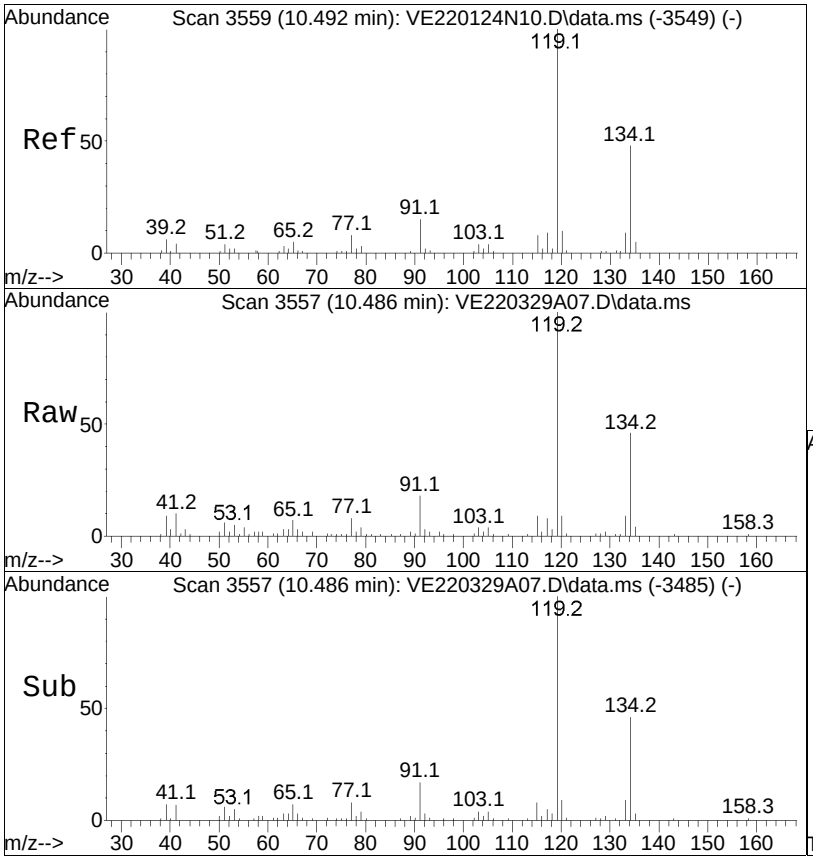


#103
n-Butylbenzene
Concen: 0.37 ug/L
RT: 10.063 min Scan# 3405
Delta R.T. 0.002 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion: 91 Resp: 1078

Ion	Ratio	Lower	Upper
91	100		
92	72.5	43.0	64.4#
134	145.6	19.6	29.4#

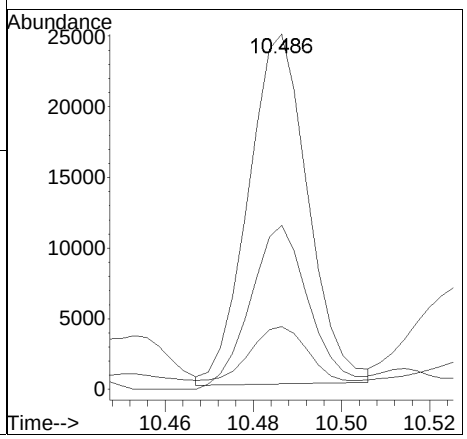


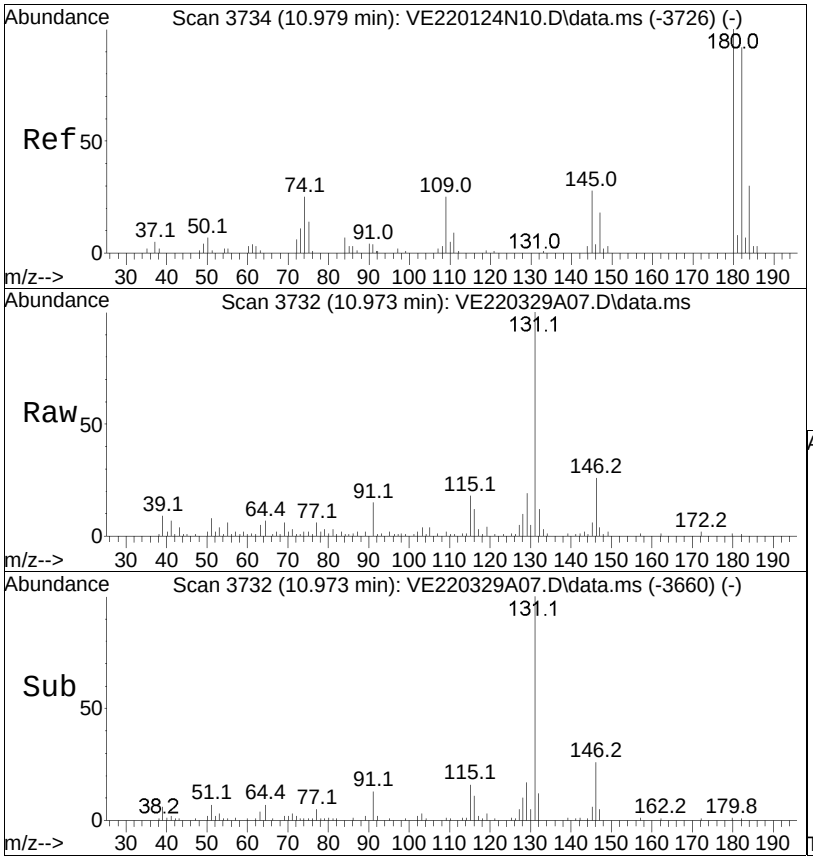


#105
1,2,4,5-Tetramethylbenzene
Concen: 2.47 ug/L
RT: 10.486 min Scan# 3557
Delta R.T. -0.001 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion:119 Resp: 23246

Ion	Ratio	Lower	Upper
119	100		
134	46.3	30.5	63.3
91	14.3	12.4	25.7

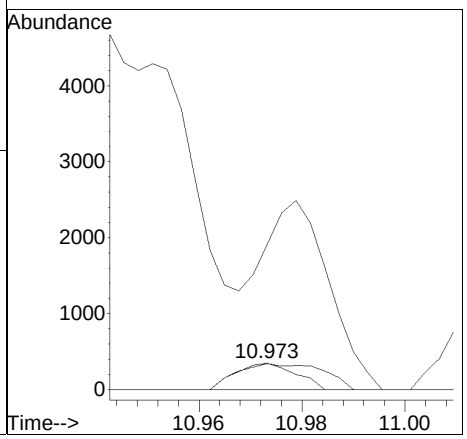


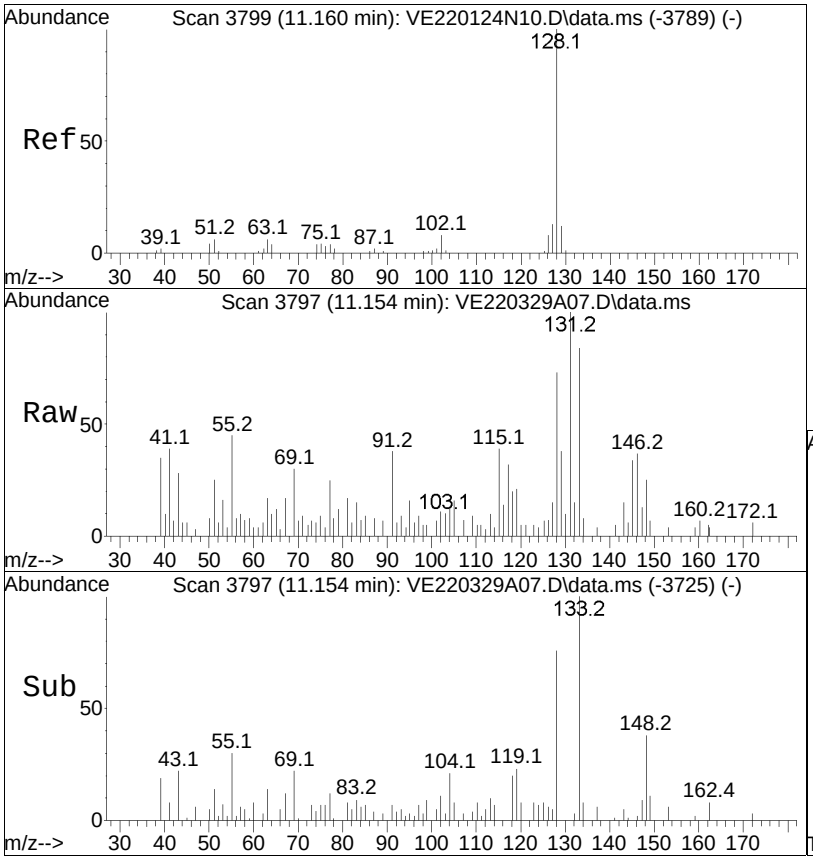


#109
1,2,4-Trichlorobenzene
Concen: 0.11 ug/L
RT: 10.973 min Scan# 3732
Delta R.T. 0.000 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion:180 Resp: 395

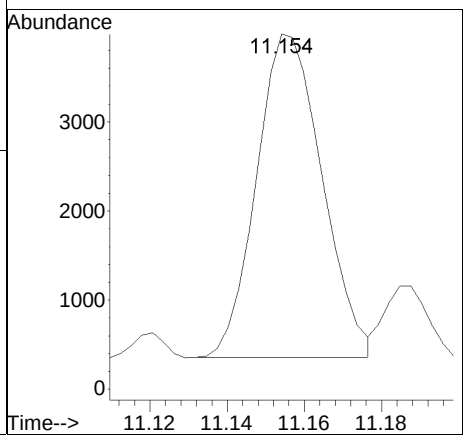
Ion	Ratio	Lower	Upper
180	100		
182	71.1	77.3	115.9#
145	582.5	28.1	42.1#

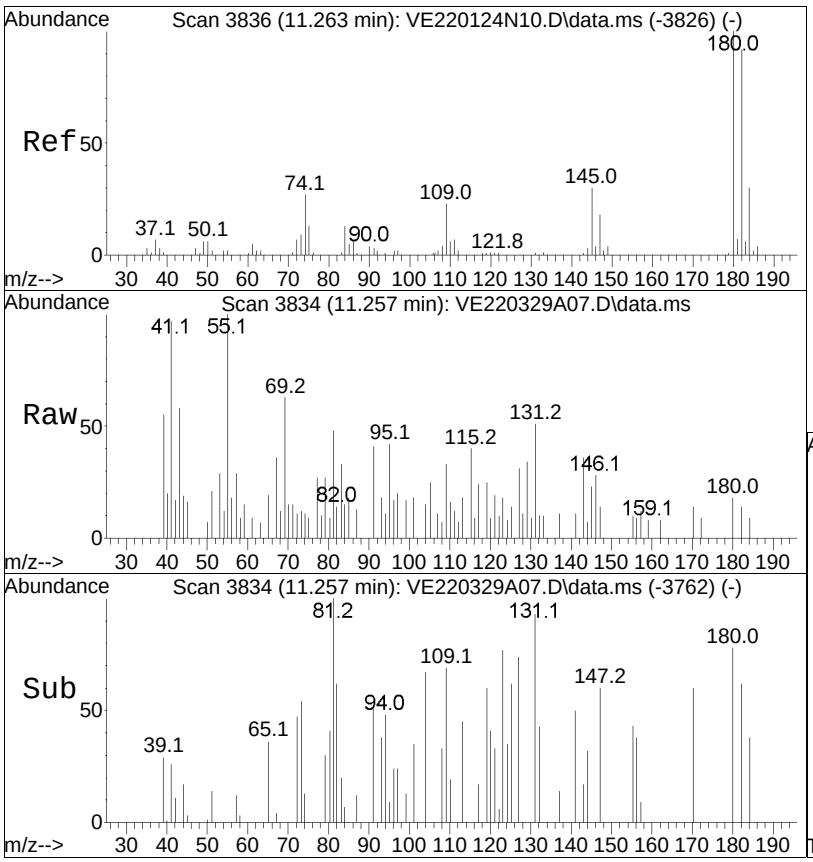




#110
Naphthalene
Concen: 0.76 ug/L
RT: 11.154 min Scan# 3797
Delta R.T. 0.000 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion:128 Resp: 4273

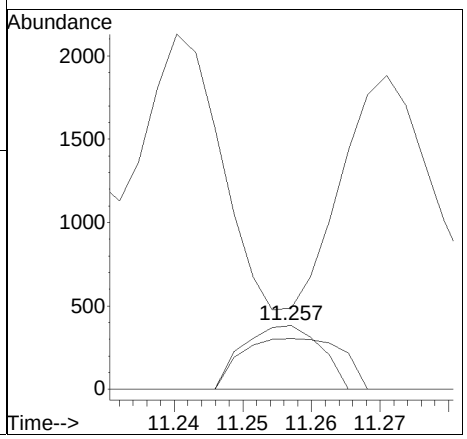




#111
1,2,3-Trichlorobenzene
Concen: 0.10 ug/L
RT: 11.257 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VE220329A07.D
Acq: 29 Mar 2022 8:51 am

Tgt Ion:180 Resp: 302

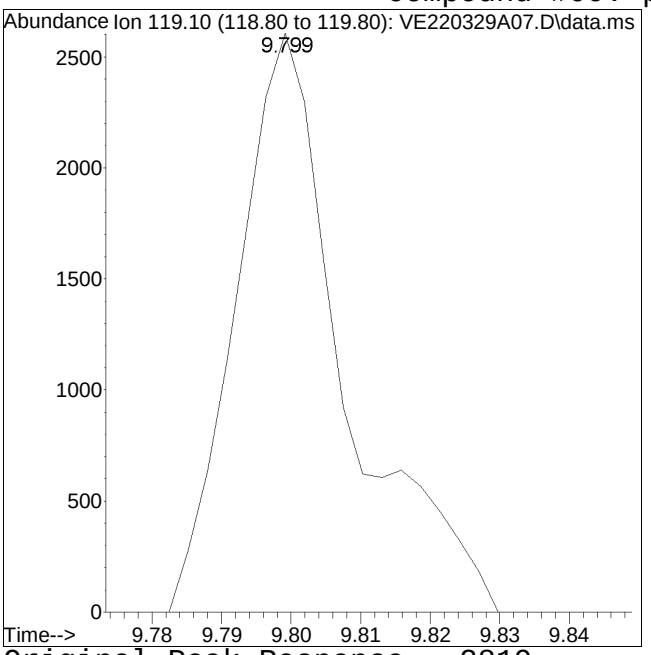
Ion	Ratio	Lower	Upper
180	100		
182	102.6	76.4	114.6
145	543.7	26.4	39.6#

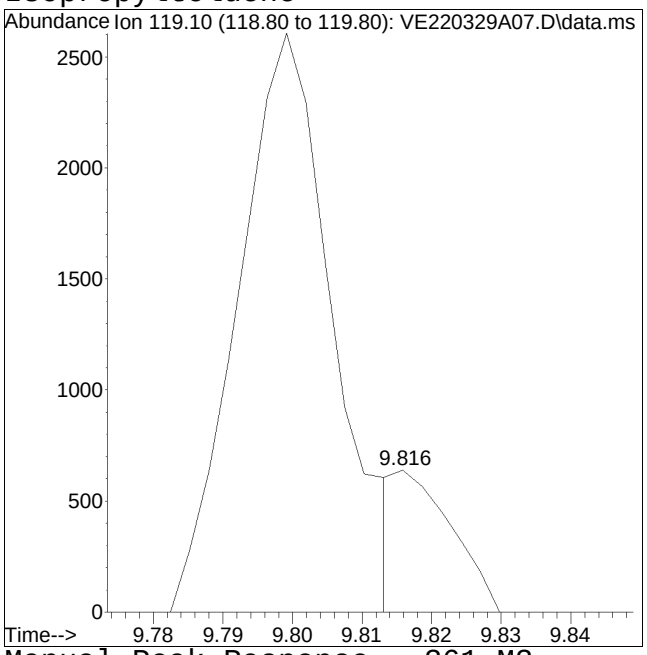


Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220329A07.D Operator : ELAINE:PD
Date Inj'd : 3/29/2022 8:51 am Instrument : Elaine
Sample : L2214084-07,31,10,10,,C Quant Date : 3/29/2022 12:36 pm

Compound #99: p-Isopropyltoluene





Original Peak Response = 2819 Manual Peak Response = 361 M3

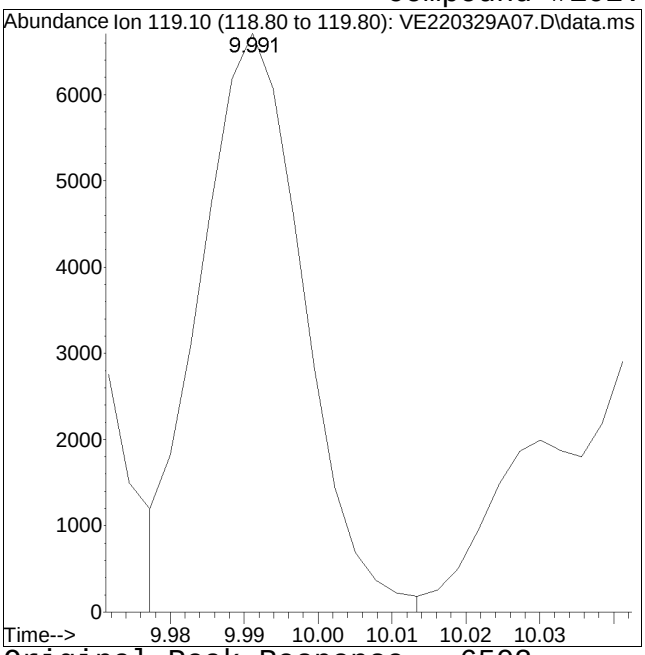
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

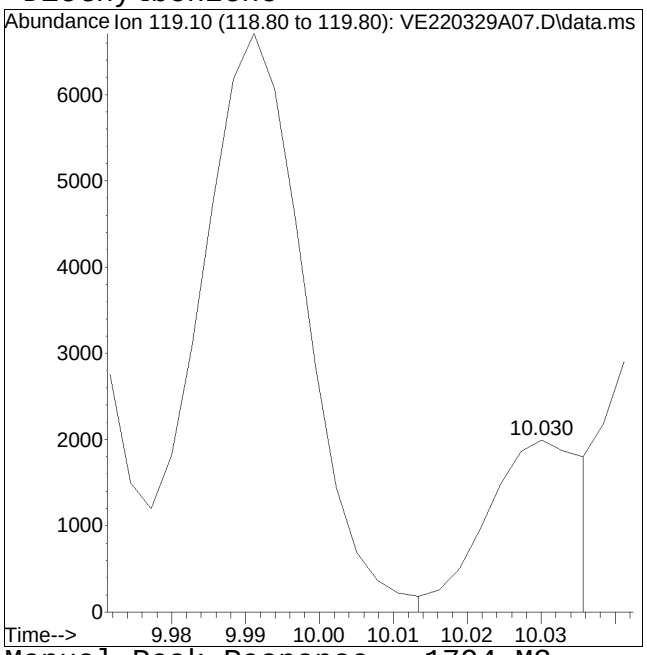
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220329A07.D
Date Inj'd : 3/29/2022 8:51 am
Sample : L2214084-07,31,10,10,,C

Method : Elaine_220316N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 3/29/2022 12:36 pm

Compound #102: p-Diethylbenzene





Original Peak Response = 6502 Manual Peak Response = 1794 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2214084**
Project Name	**: FORMER BRIGHTON CLEANERS**	**Project Number**	**: CIR2201**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL18716**
Calibration dates	**: 01/28/22 19:06 01/28/22 22:44**		

Calibration Files

L11 =V22220128N04.D L1 =V22220128N06.D L2 =V22220128N08.D L3 =V22220128N09.D L4 =V22220128N10.D

L6 =V22220128N11.D L8 =V22220128N12.D L10 =V22220128N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.227	0.316	0.320	0.269	0.256	0.237	0.222	0.264	15.34
3)	TP	Chloromethane		0.242	0.312	0.287	0.244	0.232	0.214	0.209	0.249	15.21
4)	TC	Vinyl chloride	0.289	0.221	0.305	0.296	0.255	0.243	0.228	0.222	0.257	13.46
5)	TP	Bromomethane		0.116	0.098	0.074	0.077	0.104	0.111	0.122	0.100	18.63
6)	TP	Chloroethane		0.173	0.202	0.187	0.158	0.149	0.139	0.134	0.163	15.56
7)	TP	Trichlorofluor		0.325	0.460	0.455	0.385	0.367	0.342	0.329	0.380	14.92
8)	TP	Ethyl ether		0.104	0.104	0.110	0.103	0.102	0.098	0.098	0.103	3.93
10)	TC	1,1-Dichloroet		0.185	0.259	0.250	0.211	0.201	0.188	0.184	0.211	14.89
11)	TP	Carbon disulfide		0.565	0.685	0.652	0.549	0.533	0.496	0.487	0.567	13.27
12)	TP	Freon-113		0.167	0.254	0.268	0.227	0.217	0.202	0.194	0.218	16.03
13)	TP	Iodomethane			0.061	0.185	0.217	0.239	0.228	0.229	*Q	0.9995
14)	TP	Acrolein		0.009	0.012	0.013	0.012	0.012	0.012	0.012	0.012	10.44
15)	TP	Methylene chlo		0.292	0.299	0.261	0.218	0.209	0.199	0.197	0.239	18.34
17)	TP	Acetone			0.066	0.043	0.040	0.039	0.037	0.037	*L	0.9999
18)	TP	trans-1,2-Dich		0.194	0.279	0.268	0.228	0.219	0.206	0.203	0.228	14.46
19)	TP	Methyl acetate			0.108	0.101	0.093	0.090	0.086	0.087	0.094	9.31
21)	TP	Methyl tert butyl ether		0.316	0.372	0.434	0.436	0.451	0.445	0.451	0.415	12.46
22)	TP	tert-Butyl alc		0.015	0.014	0.013	0.011	0.010	0.010	0.011	0.012	14.90
24)	TP	Diisopropyl ether		0.400	0.482	0.528	0.544	0.578	0.571	0.574	0.525	12.33
25)	TP	1,1-Dichloroet		0.393	0.513	0.489	0.419	0.400	0.378	0.373	0.423	13.13
26)	TP	Halothane		0.136	0.201	0.210	0.190	0.186	0.176	0.175	0.182	13.20
27)	TP	Acrylonitrile		0.058	0.058	0.057	0.053	0.050	0.048	0.048	0.053	8.56
28)	TP	Ethyl tert-but		0.370	0.425	0.478	0.500	0.541	0.535	0.542	0.484	13.60
29)	TP	Vinyl acetate		0.281	0.244	0.260	0.296	0.323	0.330	0.350	0.298	13.01
30)	TP	cis-1,2-Dichlo		0.255	0.318	0.287	0.250	0.240	0.226	0.223	0.257	13.30
31)	TP	2,2-Dichloropr		0.249	0.361	0.369	0.319	0.319	0.304	0.304	0.318	12.62
32)	TP	Bromochloromet		0.136	0.147	0.131	0.114	0.104	0.098	0.095	0.118	17.22
33)	TP	Cyclohexane		0.283	0.389	0.452	0.404	0.392	0.364	0.348	0.376	13.96
34)	TC	Chloroform		0.532	0.533	0.477	0.416	0.399	0.377	0.372	0.444	15.70
35)	TP	Ethyl acetate		0.190	0.144	0.128	0.124	0.122	0.119	0.121	0.135	18.93
36)	TP	Carbon tetrachloride	0.260	0.227	0.352	0.397	0.361	0.358	0.336	0.330	0.328	17.16
37)	TP	Tetrahydrofuran			0.065	0.053	0.047	0.044	0.042	0.043	0.049	18.31
38)	S	Dibromofluoromethane	0.350	0.370	0.366	0.327	0.294	0.277	0.273	0.271	0.316	13.46
39)	TP	1,1,1-Trichlor		0.265	0.419	0.445	0.394	0.381	0.356	0.349	0.373	15.58
41)	TP	2-Butanone			0.055	0.058	0.058	0.058	0.056	0.056	0.057	2.38

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2214084**
Project Name	**: FORMER BRIGHTON CLEANERS**	**Project Number**	**: CIR2201**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL18716**
Calibration dates	**: 01/28/22 19:06 01/28/22 22:44**		

Calibration Files

L11 =V22220128N04.D L1 =V22220128N06.D L2 =V22220128N08.D L3 =V22220128N09.D L4 =V22220128N10.D

L6 =V22220128N11.D L8 =V22220128N12.D L10 =V22220128N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
42) TP	1,1-Dichloropr		0.174	0.291	0.330	0.330	0.330	0.309	0.304	0.295	18.89
44) TP	Benzene	0.726	0.614	0.793	0.862	0.826	0.828	0.786	0.769	0.776	9.95
45) TP	Tertiary-Amyl Methyl Ether		0.353	0.374	0.400	0.406	0.437	0.437	0.450	0.408	8.75
46) S	1,2-Dichloroethane-d4	0.320	0.339	0.340	0.317	0.298	0.286	0.287	0.292	0.310	7.14
47) T	1,2-Dichloroet		0.288	0.308	0.299	0.274	0.266	0.256	0.252	0.278	7.67
50) TP	Methyl cyclohe		0.260	0.341	0.380	0.360	0.377	0.359	0.348	0.347	11.68
51) TP	Trichloroethene	0.191	0.154	0.207	0.242	0.239	0.243	0.229	0.225	0.216	14.36
53) TP	Dibromomethane		0.103	0.099	0.085	0.078	0.074	0.072	0.071	0.083	15.76
54) TC	1,2-Dichloropr		0.152	0.188	0.211	0.208	0.210	0.202	0.201	0.196	10.62
56) TP	2-Chloroethyl			0.013	0.014	0.011	0.013	0.013	0.013	0.013	7.77
57) TP	Bromodichlorom		0.265	0.298	0.311	0.301	0.303	0.291	0.290	0.294#	5.03
60) TP	1,4-Dioxane		0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001#	9.94
61) TP	cis-1,3-Dichloropropene	0.225	0.221	0.255	0.307	0.316	0.332	0.321	0.320	0.287#	15.95
62) I	Chlorobenzene-d5	----------ISTD----------									
63) S	Toluene-d8	1.214	1.202	1.204	1.227	1.240	1.267	1.256	1.258	1.233	2.07
64) TC	Toluene		0.485	0.638	0.691	0.672	0.703	0.670	0.666	0.646	11.42
65) TP	4-Methyl-2-pen		0.039	0.054	0.053	0.056	0.058	0.056	0.056	0.053	12.19
66) TP	Tetrachloroethene		0.211	0.286	0.328	0.323	0.341	0.325	0.322	0.305	14.62
68) TP	trans-1,3-Dichloropropene		0.200	0.253	0.302	0.340	0.377	0.367	0.366	*Q	0.9990
70) TP	Ethyl methacry		0.219	0.222	0.237	0.234	0.236	0.226	0.225	0.229	3.26
71) TP	1,1,2-Trichlor		0.106	0.122	0.144	0.158	0.171	0.167	0.168	0.148#	17.03
72) TP	Chlorodibromom		0.111	0.148	0.167	0.185	0.201	0.193	0.191	0.171#	18.63
73) TP	1,3-Dichloropr		0.217	0.261	0.299	0.329	0.351	0.343	0.341	0.306	16.44
74) TP	1,2-Dibromoethane		0.134	0.150	0.182	0.200	0.215	0.208	0.207	0.185#	17.04
76) TP	2-Hexanone		0.110	0.124	0.111	0.113	0.113	0.100	0.096	0.110	8.43
77) TP	Chlorobenzene		0.632	0.761	0.791	0.764	0.783	0.750	0.738	0.745	7.14
78) TC	Ethylbenzene		1.076	1.350	1.428	1.363	1.377	1.290	1.240	1.303	9.00
79) TP	1,1,1,2-Tetrac		0.181	0.214	0.254	0.268	0.297	0.289	0.290	0.256	17.11
80) TP	p/m Xylene		0.425	0.547	0.574	0.539	0.535	0.498	0.480	0.514	9.77
81) TP	o Xylene		0.411	0.528	0.536	0.512	0.513	0.478	0.463	0.491	8.99
82) TP	Styrene		0.705	0.841	0.894	0.859	0.848	0.789	0.741	0.811	8.43
83) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84) TP	Bromoform		0.164	0.203	0.244	0.276	0.308	0.309	0.314	*Q	0.9992
86) TP	Isopropylbenzene		1.900	2.538	2.730	2.660	2.683	2.563	2.446	2.503	11.30
87) S	4-Bromofluorobenzene	0.927	0.913	0.918	0.904	0.896	0.887	0.893	0.887	0.903	1.63
88) TP	Bromobenzene		0.511	0.578	0.611	0.607	0.614	0.605	0.596	0.589	6.19

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2214084**
Project Name	**: FORMER BRIGHTON CLEANERS**	**Project Number**	**: CIR2201**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL18716**
Calibration dates	**: 01/28/22 19:06 01/28/22 22:44**		

Calibration Files
L11 =V22220128N04.D L1 =V22220128N06.D L2 =V22220128N08.D L3 =V22220128N09.D L4 =V22220128N10.D
L6 =V22220128N11.D L8 =V22220128N12.D L10 =V22220128N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
89) TP	n-Propylbenzene		2.231	2.972	3.184	3.122	3.113	2.922	2.731	2.896	11.43
90) TP	1,4-Dichlorobu		0.627	0.597	0.604	0.631	0.647	0.639	0.636	0.626	2.94
91) TP	1,1,2,2-Tetrac		0.379	0.363	0.379	0.397	0.411	0.410	0.413	0.393	5.02
92) TP	4-Ethyltoluene		1.855	2.440	2.648	2.593	2.600	2.463	2.343	2.420	11.20
93) TP	2-Chlorotoluene		1.697	1.996	2.111	2.068	2.060	1.984	1.917	1.976	7.02
94) TP	1,3,5-Trimethy		1.584	2.100	2.162	2.107	2.175	2.097	2.015	2.034	10.10
95) TP	1,2,3-Trichlor		0.303	0.309	0.320	0.322	0.336	0.333	0.336	0.323	4.09
96) TP	trans-1,4-Dich			0.101	0.116	0.125	0.137	0.132	0.135	0.124	10.92
97) TP	4-Chlorotoluene		1.490	1.784	1.897	1.850	1.860	1.778	1.716	1.768	7.74
98) TP	tert-Butylbenzene		1.078	1.464	1.525	1.520	1.551	1.497	1.482	1.445	11.38
101) TP	1,2,4-Trimethy		1.602	2.052	2.116	2.065	2.125	2.060	1.975	1.999	9.10
102) TP	sec-Butylbenzene		1.958	2.603	2.854	2.765	2.761	2.612	2.431	2.569	11.81
103) TP	p-Isopropyltol		1.675	2.250	2.420	2.366	2.377	2.276	2.141	2.215	11.55
104) TP	1,3-Dichlorobe		1.035	1.209	1.230	1.228	1.236	1.195	1.156	1.184	6.03
105) TP	1,4-Dichlorobe		1.095	1.247	1.245	1.226	1.225	1.187	1.154	1.197	4.69
106) TP	p-Diethylbenzene		0.974	1.267	1.380	1.360	1.392	1.343	1.303	1.288	11.28
107) TP	n-Butylbenzene		1.353	1.821	1.930	1.881	1.921	1.843	1.743	1.784	11.26
108) TP	1,2-Dichlorobe		0.923	1.112	1.129	1.115	1.122	1.092	1.055	1.078	6.77
109) TP	1,2,4,5-Tetram		1.515	1.893	2.022	1.994	2.007	1.945	1.832	1.887	9.40
110) TP	1,2-Dibromo-3-		0.053	0.057	0.065	0.072	0.074	0.074	0.074	0.067	13.16
111) TP	1,3,5-Trichlor		0.623	0.709	0.743	0.740	0.760	0.733	0.720	0.718	6.26
112) TP	Hexachlorobuta		0.181	0.247	0.268	0.269	0.276	0.270	0.263	0.253	13.04
113) TP	1,2,4-Trichlor		0.524	0.618	0.632	0.647	0.666	0.655	0.643	0.627	7.61
114) TP	Naphthalene		1.420	1.374	1.410	1.448	1.459	1.432	1.397	1.420	2.07
115) TP	1,2,3-Trichlor		0.516	0.543	0.532	0.543	0.551	0.546	0.540	0.539	2.14

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2214084**
Project Name	**: FORMER BRIGHTON CLEANERS**	**Project Number**	**: CIR2201**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL18736**
Calibration dates	**: 02/08/22 17:32 02/08/22 20:59**		

Calibration Files

L11 =V05220208N04.d L1 =V05220208N06.d L2 =V05220208N08.d L3 =V05220208N09.d L4 =V05220208N10.d

L6 =V05220208N11.d L8 =V05220208N12.d L10 =V05220208N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.181	0.190	0.201	0.242	0.243	0.233	0.220	0.216	11.69
3)	TP	Chloromethane		0.358	0.397	0.367	0.389	0.379	0.373	0.364	0.375	3.71
4)	TC	Vinyl chloride	0.241	0.241	0.257	0.264	0.295	0.299	0.295	0.285	0.272	8.98
5)	TP	Bromomethane		0.128	0.138	0.110	0.126	0.140	0.148	0.149	0.134	10.52
6)	TP	Chloroethane		0.172	0.173	0.156	0.164	0.162	0.159	0.152	0.163	4.93
7)	TP	Trichlorofluor		0.249	0.290	0.292	0.360	0.361	0.349	0.336	0.319	13.43
8)	TP	Ethyl ether		0.077	0.088	0.080	0.086	0.086	0.086	0.084	0.084	4.66
10)	TC	1,1-Dichloroet		0.153	0.175	0.182	0.201	0.202	0.197	0.193	0.186	9.50
11)	TP	Carbon disulfide		0.466	0.519	0.497	0.557	0.581	0.579	0.575	0.539	8.46
12)	TP	Freon-113		0.166	0.175	0.185	0.218	0.219	0.212	0.206	0.197	10.98
13)	TP	Iodomethane			0.141	0.216	0.263	0.275	0.271	0.261	*L	0.9992
14)	TP	Acrolein			0.027	0.026	0.031	0.032	0.032	0.033	0.030	9.54
15)	TP	Methylene chlo		0.231	0.241	0.217	0.226	0.224	0.225	0.222	0.227	3.36
17)	TP	Acetone			0.052	0.041	0.047	0.048	0.048	0.049	0.047	7.35
18)	TP	trans-1,2-Dich		0.192	0.216	0.204	0.224	0.227	0.226	0.222	0.216	6.11
19)	TP	Methyl acetate			0.114	0.121	0.137	0.140	0.140	0.137	0.132	8.54
20)	TP	Methyl tert butyl ether		0.344	0.437	0.406	0.449	0.469	0.470	0.466	0.434	10.55
21)	TP	tert-Butyl alc		0.005	0.010	0.009	0.009	0.009	0.010	0.010	0.009#	18.04
22)	TP	Diisopropyl ether		0.803	0.971	0.939	1.061	1.086	1.087	1.042	0.998	10.31
23)	TP	1,1-Dichloroet		0.421	0.516	0.488	0.518	0.522	0.519	0.506	0.499	7.28
24)	TP	Halothane		0.121	0.162	0.156	0.174	0.179	0.177	0.174	0.163	12.57
25)	TP	Acrylonitrile		0.046	0.061	0.064	0.072	0.075	0.075	0.074	0.067	16.07
26)	TP	Ethyl tert-but		0.599	0.698	0.666	0.767	0.796	0.806	0.789	0.731	10.75
27)	TP	Vinyl acetate			0.364	0.440	0.534	0.568	0.577	0.562	0.507	17.02
28)	TP	cis-1,2-Dichlo		0.223	0.265	0.235	0.250	0.253	0.252	0.249	0.247	5.56
29)	TP	2,2-Dichloropr		0.234	0.273	0.303	0.352	0.367	0.367	0.363	0.323	16.52
30)	TP	Bromochloromet		0.097	0.110	0.106	0.110	0.110	0.109	0.105	0.107	4.59
31)	TP	Cyclohexane		0.405	0.488	0.536	0.646	0.659	0.638	0.608	0.568	16.76
32)	TC	Chloroform		0.353	0.454	0.399	0.429	0.433	0.433	0.427	0.418	7.86
33)	TP	Ethyl acetate		0.135	0.183	0.167	0.193	0.203	0.203	0.199	0.183	13.57
34)	TP	Carbon tetrachloride	0.250	0.251	0.270	0.289	0.352	0.378	0.373	0.368	0.316	17.94
35)	TP	Tetrahydrofuran			0.063	0.053	0.057	0.056	0.059	0.057	0.057	5.96
36)	S	Dibromofluoromethane	0.271	0.273	0.273	0.261	0.251	0.252	0.253	0.249	0.260	4.10
37)	TP	1,1,1-Trichlor		0.264	0.317	0.347	0.395	0.405	0.401	0.393	0.360	14.91
39)	TP	2-Butanone			0.066	0.067	0.081	0.087	0.086	0.084	0.079	12.10

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2214084**
Project Name	**: FORMER BRIGHTON CLEANERS**	**Project Number**	**: CIR2201**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL18736**
Calibration dates	**: 02/08/22 17:32 02/08/22 20:59**		

Calibration Files
L11 =V05220208N04.d L1 =V05220208N06.d L2 =V05220208N08.d L3 =V05220208N09.d L4 =V05220208N10.d
L6 =V05220208N11.d L8 =V05220208N12.d L10 =V05220208N13.d

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.231	0.266	0.286	0.337	0.348	0.345	0.336	0.307	15.03
41) TP	Benzene	0.867	0.769	0.888	0.850	0.930	0.950	0.949	0.924	0.891	6.90
42) TP	Tertiary-Amyl Methyl Ether		0.356	0.412	0.411	0.467	0.493	0.504	0.499	0.449	12.65
43) S	1,2-Dichloroethane-d4	0.358	0.353	0.359	0.360	0.324	0.328	0.331	0.330	0.343	4.73
44) TP	1,2-Dichloroet		0.319	0.373	0.333	0.358	0.359	0.357	0.349	0.350	5.19
47) TP	Methyl cyclohe			0.288	0.359	0.439	0.453	0.443	0.429	0.402	16.18
48) TP	Trichloroethene	0.348	0.254	0.225	0.218	0.248	0.253	0.254	0.249	0.256	15.52
50) TP	Dibromomethane		0.097	0.121	0.112	0.121	0.124	0.125	0.124	0.118	8.75
51) TC	1,2-Dichloropr		0.222	0.279	0.270	0.292	0.300	0.300	0.293	0.279	9.87
53) TP	2-Chloroethyl		0.070	0.096	0.107	0.120	0.119	0.115	0.102	0.104	16.83
54) TP	Bromodichlorom		0.214	0.296	0.281	0.318	0.328	0.332	0.328	0.300#	14.07
57) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	6.77
58) TP	cis-1,3-Dichloropropene		0.212	0.273	0.292	0.351	0.375	0.382	0.376	*L	0.9987
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.269	1.277	1.310	1.313	1.333	1.331	1.323	1.291	1.306	1.86
61) TC	Toluene	0.694	0.594	0.763	0.717	0.816	0.821	0.815	0.797	0.752	10.59
62) TP	4-Methyl-2-pen		0.059	0.074	0.077	0.093	0.096	0.095	0.092	0.084	16.60
63) TP	Tetrachloroethene		0.244	0.294	0.313	0.374	0.382	0.373	0.361	0.334	15.63
65) TP	trans-1,3-Dichloropropene		0.183	0.265	0.305	0.396	0.430	0.437		*Q	0.9986
67) TP	Ethyl methacry		0.173	0.241	0.241	0.285	0.292	0.286	0.279	0.257	16.60
68) TP	1,1,2-Trichlor		0.131	0.179	0.175	0.194	0.194	0.191	0.187	0.179#	12.47
69) TP	Chlorodibromom		0.186	0.228	0.250	0.299	0.311	0.311	0.309	0.271	18.50
70) TP	1,3-Dichloropr		0.280	0.434	0.413	0.462	0.467	0.462	0.451	0.424	15.69
71) TP	1,2-Dibromoethane		0.127	0.231	0.219	0.255	0.255	0.253	0.248	*L	0.9995
72) TP	2-Hexanone		0.095	0.130	0.141	0.168	0.174	0.173	0.168	0.150	19.76
73) TP	Chlorobenzene		0.697	0.852	0.792	0.888	0.890	0.875	0.863	0.836	8.37
74) TC	Ethylbenzene	1.376	1.233	1.472	1.444	1.636	1.630	1.603	1.546	1.492	9.43
75) TP	1,1,1,2-Tetrac		0.196	0.264	0.267	0.317	0.326	0.329	0.324	0.289	17.15
76) TP	p/m Xylene	0.469	0.455	0.552	0.546	0.614	0.614	0.607	0.591	0.556	11.47
77) TP	o Xylene	0.474	0.437	0.529	0.519	0.579	0.581	0.573	0.558	0.531	9.95
78) TP	Styrene	0.732	0.706	0.880	0.862	0.961	0.960	0.948	0.895	0.868	11.45
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.142	0.212	0.233	0.291	0.314	0.324	0.334	*Q	0.9991
82) TP	Isopropylbenzene		2.292	2.536	2.586	3.019	3.065	3.051	2.967	2.788	11.17
83) S	4-Bromofluorobenzene	0.909	0.917	0.900	0.885	0.900	0.900	0.909	0.923	0.905	1.30
84) TP	Bromobenzene		0.519	0.602	0.572	0.657	0.661	0.663	0.672	0.621	9.38

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2214084**
Project Name	**: FORMER BRIGHTON CLEANERS**	**Project Number**	**: CIR2201**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL18736**
Calibration dates	**: 02/08/22 17:32 02/08/22 20:59**		

Calibration Files
L11 =V05220208N04.d L1 =V05220208N06.d L2 =V05220208N08.d L3 =V05220208N09.d L4 =V05220208N10.d
L6 =V05220208N11.d L8 =V05220208N12.d L10 =V05220208N13.d

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.589	2.878	2.981	3.579	3.563	3.535	3.239	3.195	12.22
86) TP	1,4-Dichlorobu		0.817	0.960	0.894	1.023	1.031	1.047	1.030	0.972	8.96
87) TP	1,1,2,2-Tetrac		0.372	0.434	0.395	0.455	0.455	0.460	0.461	0.433	8.23
88) TP	4-Ethyltoluene		2.056	2.463	2.476	2.936	2.927	2.930	2.818	2.658	12.69
89) TP	2-Chlorotoluene		1.639	1.921	1.788	2.049	2.074	2.070	2.066	1.944	8.81
90) TP	1,3,5-Trimethy		1.946	2.179	2.145	2.526	2.511	2.533	2.434	2.325	10.05
91) TP	1,2,3-Trichlor		0.361	0.383	0.338	0.387	0.398	0.403	0.396	0.381	6.07
92) TP	trans-1,4-Dich			0.134	0.143	0.173	0.175	0.186	0.189	0.167	13.66
93) TP	4-Chlorotoluene		1.779	1.981	1.886	2.117	2.135	2.151	2.125	2.025	7.23
94) TP	tert-Butylbenzene		1.598	1.787	1.865	2.183	2.210	2.199	2.156	2.000	12.36
97) TP	1,2,4-Trimethy		1.799	2.182	2.102	2.451	2.477	2.465	2.392	2.267	11.19
98) TP	sec-Butylbenzene		2.231	2.519	2.666	3.177	3.227	3.158	2.971	2.850	13.47
99) TP	p-Isopropyltol		1.877	2.164	2.281	2.741	2.780	2.743	2.615	2.457	14.34
100) TP	1,3-Dichlorobe		0.997	1.188	1.126	1.286	1.303	1.295	1.288	1.212	9.58
101) TP	1,4-Dichlorobe		1.059	1.235	1.135	1.287	1.300	1.295	1.281	1.227	7.68
102) TP	p-Diethylbenzene		0.967	1.205	1.276	1.557	1.586	1.587	1.564	1.392	17.64
103) TP	n-Butylbenzene		1.475	1.718	1.837	2.265	2.325	2.306	2.230	2.022	16.90
104) TP	1,2-Dichlorobe		0.946	1.091	1.026	1.144	1.149	1.150	1.143	1.093	7.23
105) TP	1,2,4,5-Tetram		1.572	1.814	1.892	2.240	2.282	2.252	2.181	2.033	13.54
106) TP	1,2-Dibromo-3-		0.032	0.055	0.053	0.067	0.069	0.070	0.072	*L	0.9986
107) TP	1,3,5-Trichlor		0.658	0.729	0.714	0.831	0.838	0.823	0.810	0.772	9.18
108) TP	Hexachlorobuta		0.257	0.261	0.282	0.345	0.353	0.346	0.342	0.312	13.85
109) TP	1,2,4-Trichlor		0.527	0.588	0.567	0.678	0.691	0.688	0.684	0.632	10.92
110) TP	Naphthalene		1.033	1.130	1.052	1.268	1.315	1.331	1.314	1.206	10.84
111) TP	1,2,3-Trichlor		0.472	0.521	0.472	0.543	0.557	0.555	0.550	0.524	7.17

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2214084**
Project Name	**: FORMER BRIGHTON CLEANERS**	**Project Number**	**: CIR2201**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL18844**
Calibration dates	**: 03/17/22 01:07 03/17/22 04:31**		

Calibration Files

L11 =VE220316N03.D L1 =VE220316N06.D L2 =VE220316N07.D L3 =VE220316N09.D L4 =VE220316N10.D

L6 =VE220316N11.D L8 =VE220316N12.D L10 =VE220316N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.143	0.157	0.155	0.175	0.153	0.163	0.169	0.159	6.70
3)	TP	Chloromethane		0.227	0.224	0.217	0.245	0.210	0.228	0.234	0.227	4.92
4)	TC	Vinyl chloride	0.200	0.229	0.199	0.195	0.228	0.199	0.212	0.217	0.210	6.54
5)	TP	Bromomethane		0.058	0.066	0.064	0.081	0.078	0.093		0.073	17.63
6)	TP	Chloroethane		0.085	0.102	0.096	0.115	0.086	0.093	0.089	0.095	11.00
7)	TP	Trichlorofluor		0.197	0.229	0.218	0.263	0.223	0.240	0.246	0.231	9.22
8)	TP	Ethyl ether		0.068	0.080	0.073	0.093	0.089	0.092	0.096	0.084	12.83
10)	TC	1,1-Dichloroet		0.123	0.144	0.139	0.161	0.144	0.155	0.160	0.146	9.10
11)	TP	Carbon disulfide		0.333	0.335	0.324	0.390	0.328	0.349	0.358	0.345	6.66
12)	TP	Freon-113		0.100	0.141	0.134	0.172	0.147	0.156	0.166	0.145	16.40
13)	TP	Iodomethane			0.044	0.070	0.135	0.140	0.157	0.165	*Q	0.9976
14)	TP	Acrolein			0.013	0.022	0.023	0.024	0.025	0.027	*L	0.9960
15)	TP	Methylene chlo		0.213	0.194	0.169	0.191	0.164	0.174	0.176	0.183	9.35
17)	TP	Acetone			0.048	0.044	0.040	0.043	0.041	0.043	0.043	6.28
18)	TP	trans-1,2-Dich		0.136	0.150	0.143	0.172	0.152	0.167	0.174	0.156	9.41
19)	TP	Methyl acetate			0.104	0.106	0.110	0.117	0.122	0.129	0.114	8.62
20)	TP	Methyl tert butyl ether		0.249	0.308	0.356	0.412	0.398	0.430	0.446	0.371	19.24
21)	TP	tert-Butyl alc			0.007	0.007	0.008	0.009	0.010	0.011	0.009#	18.30
22)	TP	Diisopropyl ether		0.644	0.667	0.666	0.822	0.777	0.841	0.860	0.754	12.28
23)	TP	1,1-Dichloroet		0.311	0.348	0.330	0.376	0.336	0.360	0.370	0.347	6.72
24)	TP	Halothane			0.116	0.118	0.141	0.126	0.138	0.143	0.130	9.22
25)	TP	Acrylonitrile		0.036	0.048	0.058	0.064	0.063	0.065	0.067	0.057	19.75
26)	TP	Ethyl tert-but		0.411	0.424	0.461	0.593	0.575	0.621	0.649	0.533	18.57
27)	TP	Vinyl acetate			0.267	0.344	0.431	0.448	0.483	0.509	*L	0.9966
28)	TP	cis-1,2-Dichlo		0.175	0.162	0.167	0.196	0.175	0.190	0.196	0.180#	7.58
29)	TP	2,2-Dichloropr		0.146	0.169	0.181	0.237	0.211	0.231	0.245	0.203	18.71
30)	TP	Bromochloromet		0.081	0.084	0.076	0.089	0.081	0.084	0.084	0.083#	4.71
31)	TP	Cyclohexane		0.224	0.287	0.317	0.418	0.340	0.371	0.389	0.335	19.70
32)	TC	Chloroform		0.262	0.281	0.276	0.322	0.287	0.309	0.318	0.294	7.81
33)	TP	Ethyl acetate			0.093	0.116	0.139	0.148	0.156	0.161	0.136	19.31
34)	TP	Carbon tetrachloride		0.163	0.191	0.195	0.237	0.212	0.232	0.246	0.211	14.13
35)	TP	Tetrahydrofuran			0.039	0.039	0.041	0.044	0.045	0.049	0.043	9.78
36)	S	Dibromofluoromethane	0.255	0.254	0.256	0.247	0.233	0.240	0.237	0.240	0.245	3.62
37)	TP	1,1,1-Trichlor		0.213	0.209	0.218	0.267	0.241	0.261	0.271	0.240	11.21
39)	TP	2-Butanone			0.049	0.053	0.059	0.068	0.071	0.075	0.062	16.98

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2214084**
Project Name	**: FORMER BRIGHTON CLEANERS**	**Project Number**	**: CIR2201**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL18844**
Calibration dates	**: 03/17/22 01:07 03/17/22 04:31**		

Calibration Files

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L6 =VE220316N11.D L8 =VE220316N12.D L10 =VE220316N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.163	0.178	0.200	0.248	0.222	0.239	0.250	0.214	16.11
41) TP	Benzene	0.582	0.614	0.647	0.657	0.784	0.700	0.748	0.760	0.686	10.66
42) TP	Tertiary-Amyl Methyl Ether		0.250	0.282	0.319	0.391	0.397	0.434	0.458	*Q	0.9994
43) S	1,2-Dichloroethane-d4	0.293	0.308	0.298	0.292	0.268	0.288	0.283	0.297	0.291	4.06
44) TP	1,2-Dichloroet		0.221	0.214	0.231	0.255	0.235	0.247	0.250	0.236	6.46
47) TP	Methyl cyclohe		0.164	0.162	0.177	0.268	0.197	0.218	0.233	0.203	19.40
48) TP	Trichloroethene	0.185	0.151	0.144	0.151	0.186	0.164	0.177	0.180	0.167#	10.22
50) TP	Dibromomethane		0.077	0.086	0.085	0.094	0.090	0.094	0.098	0.089	7.87
51) TC	1,2-Dichloropr		0.127	0.185	0.180	0.218	0.204	0.221	0.225	0.194	17.68
53) TP	2-Chloroethyl			0.065	0.081	0.101	0.109	0.114	0.119	*L	0.9976
54) TP	Bromodichlorom		0.171	0.199	0.202	0.248	0.223	0.241	0.247	0.219#	13.24
57) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.52
58) TP	cis-1,3-Dichloropropene		0.176	0.207	0.217	0.284	0.269	0.295	0.304	0.250#	19.89
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.291	1.306	1.262	1.312	1.315	1.336	1.339	1.325	1.311	1.93
61) TC	Toluene	0.525	0.548	0.545	0.555	0.679	0.590	0.637	0.640	0.590	9.50
62) TP	4-Methyl-2-pen			0.049	0.061	0.073	0.079	0.083	0.084	0.072	19.38
63) TP	Tetrachloroethene		0.178	0.195	0.199	0.261	0.226	0.243	0.247	0.221	14.08
65) TP	trans-1,3-Dichloropropene		0.174	0.199	0.233	0.318	0.321	0.345		*Q	0.9983
67) TP	Ethyl methacry			0.162	0.196	0.238	0.238	0.249	0.254	0.223	16.28
68) TP	1,1,2-Trichlor		0.119	0.128	0.140	0.166	0.160	0.164	0.165	0.149#	13.20
69) TP	Chlorodibromom		0.138	0.174	0.188	0.238	0.225	0.239	0.240	0.206	19.34
70) TP	1,3-Dichloropr		0.279	0.292	0.306	0.368	0.346	0.359	0.358	0.330	11.08
71) TP	1,2-Dibromoethane		0.104	0.139	0.153	0.187	0.183	0.190	0.190	*L	0.9991
72) TP	2-Hexanone		0.082	0.099	0.114	0.128	0.140	0.142	0.143	0.121	19.77
73) TP	Chlorobenzene		0.582	0.588	0.585	0.713	0.615	0.656	0.651	0.627	7.75
74) TC	Ethylbenzene	0.938	0.897	0.938	1.004	1.263	1.051	1.108	1.084	1.036	11.48
75) TP	1,1,1,2-Tetrac		0.157	0.172	0.180	0.241	0.220	0.236	0.238	0.206	17.24
76) TP	p/m Xylene	0.350	0.328	0.374	0.402	0.494	0.406	0.420	0.402	0.397	12.64
77) TP	o Xylene	0.370	0.339	0.365	0.388	0.477	0.397	0.409	0.390	0.392	10.42
78) TP	Styrene	0.543	0.512	0.567	0.637	0.786	0.666	0.686	0.635	0.629	13.99
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.185	0.205	0.199	0.248	0.255	0.266	0.278	0.234	15.78
82) TP	Isopropylbenzene		1.551	1.752	1.755	2.384	1.967	2.042	2.071	1.932	14.12
83) S	4-Bromofluorobenzene	0.963	0.950	0.966	0.937	0.953	0.957	0.931	0.959	0.952	1.30
84) TP	Bromobenzene		0.463	0.456	0.439	0.553	0.498	0.523	0.532	0.495	8.77

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2214084**
Project Name	**: FORMER BRIGHTON CLEANERS**	**Project Number**	**: CIR2201**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL18844**
Calibration dates	**: 03/17/22 01:07 03/17/22 04:31**		

Calibration Files

L11 =VE220316N03.D L1 =VE220316N06.D L2 =VE220316N07.D L3 =VE220316N09.D L4 =VE220316N10.D

L6 =VE220316N11.D L8 =VE220316N12.D L10 =VE220316N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85)	TP	n-Propylbenzene		1.833	1.966	2.007	2.735	2.246	2.308	2.293	2.198	13.59
86)	TP	1,4-Dichlorobu		0.645	0.740	0.739	0.864	0.833	0.845	0.877	0.792	10.82
87)	TP	1,1,2,2-Tetrac		0.349	0.363	0.368	0.417	0.423	0.423	0.444	0.398	9.33
88)	TP	4-Ethyltoluene		1.454	1.582	1.657	2.268	1.878	1.956	1.941	1.819	15.12
89)	TP	2-Chlorotoluene		1.383	1.628	1.486	1.925	1.642	1.710	1.712	1.641	10.60
90)	TP	1,3,5-Trimethy		1.082	1.431	1.441	1.927	1.602	1.674	1.669	1.546	17.09
91)	TP	1,2,3-Trichlor		0.361	0.305	0.310	0.349	0.345	0.349	0.361	0.340	6.76
92)	TP	trans-1,4-Dich		0.096	0.124	0.135	0.152	0.156	0.159	0.166	0.141	17.54
93)	TP	4-Chlorotoluene		1.274	1.377	1.391	1.771	1.534	1.599	1.573	1.503	11.11
94)	TP	tert-Butylbenzene		0.950	1.149	1.129	1.575	1.255	1.304	1.307	1.239	15.67
97)	TP	1,2,4-Trimethy		1.259	1.392	1.420	1.926	1.642	1.703	1.702	1.578	14.57
98)	TP	sec-Butylbenzene		1.241	1.465	1.487	2.179	1.665	1.728	1.731	1.642	17.94
99)	TP	p-Isopropyltol		0.928	1.173	1.233	1.850	1.466	1.518	1.526	*L	0.9957
100)	TP	1,3-Dichlorobe		0.741	0.830	0.823	1.034	0.909	0.939	0.945	0.889	10.95
101)	TP	1,4-Dichlorobe		0.760	0.876	0.815	1.030	0.919	0.949	0.960	0.901	10.21
102)	TP	p-Diethylbenzene			0.671	0.680	1.023	0.824	0.864	0.898	0.827	16.30
103)	TP	n-Butylbenzene		0.769	0.912	0.957	1.441	1.105	1.167	1.205	*L	0.9948
104)	TP	1,2-Dichlorobe		0.744	0.824	0.789	0.982	0.884	0.901	0.915	0.863	9.45
105)	TP	1,2,4,5-Tetram			0.976	1.063	1.564	1.358	1.422	1.519	1.317	18.45
106)	TP	1,2-Dibromo-3-		0.021	0.035	0.047	0.058	0.062	0.063	0.071	*Q	0.9996
107)	TP	1,3,5-Trichlor		0.323	0.430	0.417	0.575	0.488	0.519	0.561	0.473	18.92
108)	TP	Hexachlorobuta		0.084	0.115	0.116	0.169	0.132	0.136	0.151	*L	0.9937
109)	TP	1,2,4-Trichlor		0.428	0.418	0.393	0.521	0.497	0.537	0.579	0.482	14.47
110)	TP	Naphthalene		0.818	0.954	1.058	1.342	1.374	1.437	1.515	*Q	0.9994
111)	TP	1,2,3-Trichlor		0.363	0.367	0.376	0.484	0.470	0.509	0.533	0.443	16.36

Response Factor Report VOA122

Method Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Method File : V122_220128N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Thu Feb 03 20:15:42 2022
Response Via : Initial Calibration

Calibration Files
L11 =V22220128N04.D L1 =V22220128N06.D L2 =V22220128N08.D L3 =V22220128N09.D L4 =V22220128N10.D
L6 =V22220128N11.D L8 =V22220128N12.D L10 =V22220128N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.227	0.316	0.320	0.269	0.256	0.237	0.222	0.264	15.34
3)	TP	Chloromethane		0.242	0.312	0.287	0.244	0.232	0.214	0.209	0.249	15.21
4)	TC	Vinyl chloride	0.289	0.221	0.305	0.296	0.255	0.243	0.228	0.222	0.257	13.46
5)	TP	Bromomethane		0.116	0.098	0.074	0.077	0.104	0.111	0.122	0.100	18.63
6)	TP	Chloroethane		0.173	0.202	0.187	0.158	0.149	0.139	0.134	0.163	15.56
7)	TP	Trichlorofluor...		0.325	0.460	0.455	0.385	0.367	0.342	0.329	0.380	14.92
8)	TP	Ethyl ether		0.104	0.104	0.110	0.103	0.102	0.098	0.098	0.103	3.93
10)	TC	1,1-Dichloroet...		0.185	0.259	0.250	0.211	0.201	0.188	0.184	0.211	14.89
11)	TP	Carbon disulfide		0.565	0.685	0.652	0.549	0.533	0.496	0.487	0.567	13.27
12)	TP	Freon-113		0.167	0.254	0.268	0.227	0.217	0.202	0.194	0.218	16.03
13)	TP	Iodomethane			0.061	0.185	0.217	0.239	0.228	0.229	*Q	0.9995
14)	TP	Acrolein		0.009	0.012	0.013	0.012	0.012	0.012	0.012	0.012	10.44
15)	TP	Methylene chlo...		0.292	0.299	0.261	0.218	0.209	0.199	0.197	0.239	18.34
17)	TP	Acetone			0.066	0.043	0.040	0.039	0.037	0.037	*L	0.9999
18)	TP	trans-1,2-Dich...		0.194	0.279	0.268	0.228	0.219	0.206	0.203	0.228	14.46
19)	TP	Methyl acetate			0.108	0.101	0.093	0.090	0.086	0.087	0.094	9.31
21)	TP	Methyl tert-bu...		0.316	0.372	0.434	0.436	0.451	0.445	0.451	0.415	12.46
22)	TP	tert-Butyl alc...		0.015	0.014	0.013	0.011	0.010	0.010	0.011	0.012	14.90
24)	TP	Diisopropyl ether		0.400	0.482	0.528	0.544	0.578	0.571	0.574	0.525	12.33
25)	TP	1,1-Dichloroet...		0.393	0.513	0.489	0.419	0.400	0.378	0.373	0.423	13.13
26)	TP	Halothane		0.136	0.201	0.210	0.190	0.186	0.176	0.175	0.182	13.20
27)	TP	Acrylonitrile		0.058	0.058	0.057	0.053	0.050	0.048	0.048	0.053	8.56
28)	TP	Ethyl tert-but...		0.370	0.425	0.478	0.500	0.541	0.535	0.542	0.484	13.60
29)	TP	Vinyl acetate		0.281	0.244	0.260	0.296	0.323	0.330	0.350	0.298	13.01
30)	TP	cis-1,2-Dichlo...		0.255	0.318	0.287	0.250	0.240	0.226	0.223	0.257	13.30
31)	TP	2,2-Dichloropr...		0.249	0.361	0.369	0.319	0.319	0.304	0.304	0.318	12.62
32)	TP	Bromochloromet...		0.136	0.147	0.131	0.114	0.104	0.098	0.095	0.118	17.22
33)	TP	Cyclohexane		0.283	0.389	0.452	0.404	0.392	0.364	0.348	0.376	13.96
34)	TC	Chloroform		0.532	0.533	0.477	0.416	0.399	0.377	0.372	0.444	15.70
35)	TP	Ethyl acetate		0.190	0.144	0.128	0.124	0.122	0.119	0.121	0.135	18.93

Method Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Method File : V122_220128N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Thu Feb 03 20:15:42 2022
Response Via : Initial Calibration

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L6 =V22220128N11.D L8 =V22220128N12.D L10 =V22220128N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
36)	TP	Carbon tetrach...	0.260	0.227	0.352	0.397	0.361	0.358	0.336	0.330	0.328	17.16
37)	TP	Tetrahydrofuran			0.065	0.053	0.047	0.044	0.042	0.043	0.049	18.31
38)	S	Dibromofluorom...	0.350	0.370	0.366	0.327	0.294	0.277	0.273	0.271	0.316	13.46
39)	TP	1,1,1-Trichlor...		0.265	0.419	0.445	0.394	0.381	0.356	0.349	0.373	15.58
41)	TP	2-Butanone			0.055	0.058	0.058	0.058	0.056	0.056	0.057	2.38
42)	TP	1,1-Dichloropr...		0.174	0.291	0.330	0.330	0.330	0.309	0.304	0.295	18.89
44)	TP	Benzene	0.726	0.614	0.793	0.862	0.826	0.828	0.786	0.769	0.776	9.95
45)	TP	tert-Amyl meth...		0.353	0.374	0.400	0.406	0.437	0.437	0.450	0.408	8.75
46)	S	1,2-Dichloroet...	0.320	0.339	0.340	0.317	0.298	0.286	0.287	0.292	0.310	7.14
47)	T	1,2-Dichloroet...		0.288	0.308	0.299	0.274	0.266	0.256	0.252	0.278	7.67
50)	TP	Methyl cyclohe...		0.260	0.341	0.380	0.360	0.377	0.359	0.348	0.347	11.68
51)	TP	Trichloroethene	0.191	0.154	0.207	0.242	0.239	0.243	0.229	0.225	0.216	14.36
53)	TP	Dibromomethane		0.103	0.099	0.085	0.078	0.074	0.072	0.071	0.083	15.76
54)	TC	1,2-Dichloropr...		0.152	0.188	0.211	0.208	0.210	0.202	0.201	0.196	10.62
56)	TP	2-Chloroethyl ...			0.013	0.014	0.011	0.013	0.013	0.013	0.013	7.77
57)	TP	Bromodichlorom...		0.265	0.298	0.311	0.301	0.303	0.291	0.290	0.294#	5.03
60)	TP	1,4-Dioxane		0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001#	9.94
61)	TP	cis-1,3-Dichlo...	0.225	0.221	0.255	0.307	0.316	0.332	0.321	0.320	0.287#	15.95
62)	I	Chlorobenzene-d5	----------ISTD----------									
63)	S	Toluene-d8	1.214	1.202	1.204	1.227	1.240	1.267	1.256	1.258	1.233	2.07
64)	TC	Toluene		0.485	0.638	0.691	0.672	0.703	0.670	0.666	0.646	11.42
65)	TP	4-Methyl-2-pen...		0.039	0.054	0.053	0.056	0.058	0.056	0.056	0.053	12.19
66)	TP	Tetrachloroethene		0.211	0.286	0.328	0.323	0.341	0.325	0.322	0.305	14.62
68)	TP	trans-1,3-Dich...		0.200	0.253	0.302	0.340	0.377	0.367	0.366	*Q	0.9990
70)	TP	Ethyl methacry...		0.219	0.222	0.237	0.234	0.236	0.226	0.225	0.229	3.26
71)	TP	1,1,2-Trichlor...		0.106	0.122	0.144	0.158	0.171	0.167	0.168	0.148#	17.03
72)	TP	Chlorodibromom...		0.111	0.148	0.167	0.185	0.201	0.193	0.191	0.171#	18.63
73)	TP	1,3-Dichloropr...		0.217	0.261	0.299	0.329	0.351	0.343	0.341	0.306	16.44
74)	TP	1,2-Dibromoethane		0.134	0.150	0.182	0.200	0.215	0.208	0.207	0.185#	17.04
76)	TP	2-Hexanone		0.110	0.124	0.111	0.113	0.113	0.100	0.096	0.110	8.43
77)	TP	Chlorobenzene		0.632	0.761	0.791	0.764	0.783	0.750	0.738	0.745	7.14

Method Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Method File : V122_220128N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Thu Feb 03 20:15:42 2022
Response Via : Initial Calibration

Calibration Files
L11 =V22220128N04.D L1 =V22220128N06.D L2 =V22220128N08.D L3 =V22220128N09.D L4 =V22220128N10.D
L6 =V22220128N11.D L8 =V22220128N12.D L10 =V22220128N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
78)	TC	Ethylbenzene		1.076	1.350	1.428	1.363	1.377	1.290	1.240	1.303	9.00
79)	TP	1,1,1,2-Tetrac...		0.181	0.214	0.254	0.268	0.297	0.289	0.290	0.256	17.11
80)	TP	p/m Xylene		0.425	0.547	0.574	0.539	0.535	0.498	0.480	0.514	9.77
81)	TP	o Xylene		0.411	0.528	0.536	0.512	0.513	0.478	0.463	0.491	8.99
82)	TP	Styrene		0.705	0.841	0.894	0.859	0.848	0.789	0.741	0.811	8.43
83)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84)	TP	Bromoform		0.164	0.203	0.244	0.276	0.308	0.309	0.314	*Q	0.9992
86)	TP	Isopropylbenzene		1.900	2.538	2.730	2.660	2.683	2.563	2.446	2.503	11.30
87)	S	4-Bromofluorob...	0.927	0.913	0.918	0.904	0.896	0.887	0.893	0.887	0.903	1.63
88)	TP	Bromobenzene		0.511	0.578	0.611	0.607	0.614	0.605	0.596	0.589	6.19
89)	TP	n-Propylbenzene		2.231	2.972	3.184	3.122	3.113	2.922	2.731	2.896	11.43
90)	TP	1,4-Dichlorobu...		0.627	0.597	0.604	0.631	0.647	0.639	0.636	0.626	2.94
91)	TP	1,1,2,2-Tetrac...		0.379	0.363	0.379	0.397	0.411	0.410	0.413	0.393	5.02
92)	TP	4-Ethyltoluene		1.855	2.440	2.648	2.593	2.600	2.463	2.343	2.420	11.20
93)	TP	2-Chlorotoluene		1.697	1.996	2.111	2.068	2.060	1.984	1.917	1.976	7.02
94)	TP	1,3,5-Trimethy...		1.584	2.100	2.162	2.107	2.175	2.097	2.015	2.034	10.10
95)	TP	1,2,3-Trichlor...		0.303	0.309	0.320	0.322	0.336	0.333	0.336	0.323	4.09
96)	TP	trans-1,4-Dich...			0.101	0.116	0.125	0.137	0.132	0.135	0.124	10.92
97)	TP	4-Chlorotoluene		1.490	1.784	1.897	1.850	1.860	1.778	1.716	1.768	7.74
98)	TP	tert-Butylbenzene		1.078	1.464	1.525	1.520	1.551	1.497	1.482	1.445	11.38
101)	TP	1,2,4-Trimethy...		1.602	2.052	2.116	2.065	2.125	2.060	1.975	1.999	9.10
102)	TP	sec-Butylbenzene		1.958	2.603	2.854	2.765	2.761	2.612	2.431	2.569	11.81
103)	TP	p-Isopropyltol...		1.675	2.250	2.420	2.366	2.377	2.276	2.141	2.215	11.55
104)	TP	1,3-Dichlorobe...		1.035	1.209	1.230	1.228	1.236	1.195	1.156	1.184	6.03
105)	TP	1,4-Dichlorobe...		1.095	1.247	1.245	1.226	1.225	1.187	1.154	1.197	4.69
106)	TP	p-Diethylbenzene		0.974	1.267	1.380	1.360	1.392	1.343	1.303	1.288	11.28
107)	TP	n-Butylbenzene		1.353	1.821	1.930	1.881	1.921	1.843	1.743	1.784	11.26
108)	TP	1,2-Dichlorobe...		0.923	1.112	1.129	1.115	1.122	1.092	1.055	1.078	6.77
109)	TP	1,2,4,5-Tetram...		1.515	1.893	2.022	1.994	2.007	1.945	1.832	1.887	9.40
110)	TP	1,2-Dibromo-3-...		0.053	0.057	0.065	0.072	0.074	0.074	0.074	0.067	13.16
111)	TP	1,3,5-Trichlor...		0.623	0.709	0.743	0.740	0.760	0.733	0.720	0.718	6.26

Method Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Method File : V122_220128N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Thu Feb 03 20:15:42 2022
Response Via : Initial Calibration

Calibration Files
L11 =V22220128N04.D L1 =V22220128N06.D L2 =V22220128N08.D L3 =V22220128N09.D L4 =V22220128N10.D
L6 =V22220128N11.D L8 =V22220128N12.D L10 =V22220128N13.D

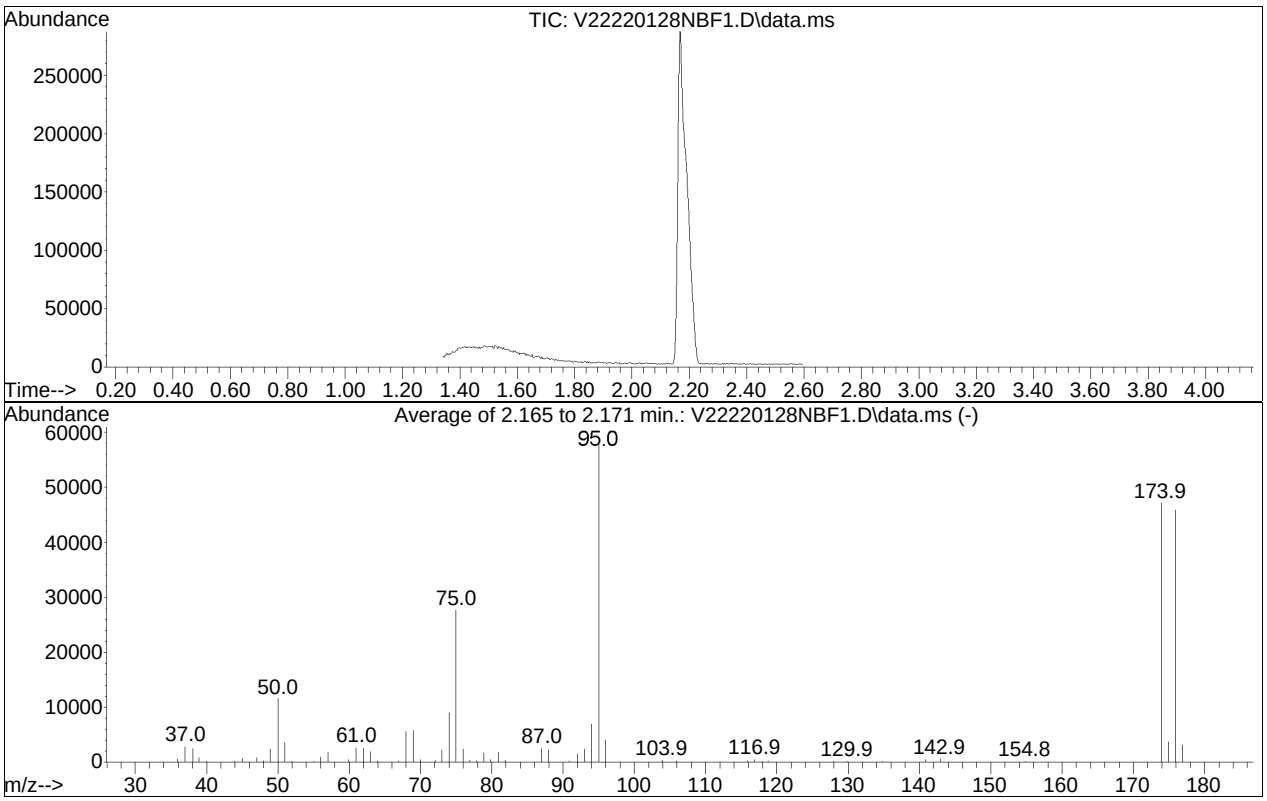
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
112)	TP Hexachlorobuta...	0.181	0.247	0.268	0.269	0.276	0.270	0.263	0.253	13.04	
113)	TP 1,2,4-Trichlor...	0.524	0.618	0.632	0.647	0.666	0.655	0.643	0.627	7.61	
114)	TP Naphthalene	1.420	1.374	1.410	1.448	1.459	1.432	1.397	1.420	2.07	
115)	TP 1,2,3-Trichlor...	0.516	0.543	0.532	0.543	0.551	0.546	0.540	0.539	2.14	

(#) = Out of Range

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128NBF1.D
Acq On : 28 Jan 2022 05:34 pm
Operator : VOA122:TMS
Sample : WG1600684-1
Misc : WG1600684
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Feb 02 12:24:44 2022



AutoFind: Scans 297, 298, 299; Background Corrected with Scan 286

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	11531	PASS
75	95	30	60	47.6	27701	PASS
95	95	100	100	100.0	58136	PASS
96	95	5	9	6.9	4022	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	81.2	47187	PASS
175	174	5	9	7.9	3712	PASS
176	174	95	101	97.2	45853	PASS
177	176	5	9	6.8	3099	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N04.D
Acq On : 28 Jan 2022 07:06 pm
Operator : VOA122:PD
Sample : I8260STD0.19PPB
Misc : WG1600684,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 18:13:40 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.602	96	306384	10.000	ug/L	0.00
Standard Area 1 = 341437			Recovery =	89.73%		
62) Chlorobenzene-d5	9.107	117	276697	10.000	ug/L	0.00
Standard Area 1 = 290921			Recovery =	95.11%		
83) 1,4-Dichlorobenzene-d4	11.908	152	157459	10.000	ug/L	0.00
Standard Area 1 = 161831			Recovery =	97.30%		
System Monitoring Compounds						
38) Dibromofluoromethane	4.802	113	107354	11.089	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	110.89%		
46) 1,2-Dichloroethane-d4	5.321	65	98099	10.330	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.30%		
63) Toluene-d8	7.276	98	335779	9.840	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.40%		
87) 4-Bromofluorobenzene	10.654	95	145911	10.261	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.61%		
Target Compounds						Qvalue
4) Vinyl chloride	1.679	62	1681	0.213	ug/L	97
36) Carbon tetrachloride	4.767	117	1516	0.151	ug/L #	68
44) Benzene	5.196	78	4225	0.178	ug/L #	87
51) Trichloroethene	5.779	95	1109	0.168	ug/L	82
61) cis-1,3-Dichloropropene	7.069	75	1312	0.149	ug/L #	58
64) Toluene	7.335	92	3032	0.170	ug/L	92
68) trans-1,3-Dichloropropene	7.828	75	1166	0.277	ug/L #	57
78) Ethylbenzene	9.179	91	6967	0.193	ug/L	96
80) p/m Xylene	9.369	106	5292	0.372	ug/L	95
81) o Xylene	9.908	106	4972	0.366	ug/L	93
82) Styrene	9.980	104	8115	0.362	ug/L	95

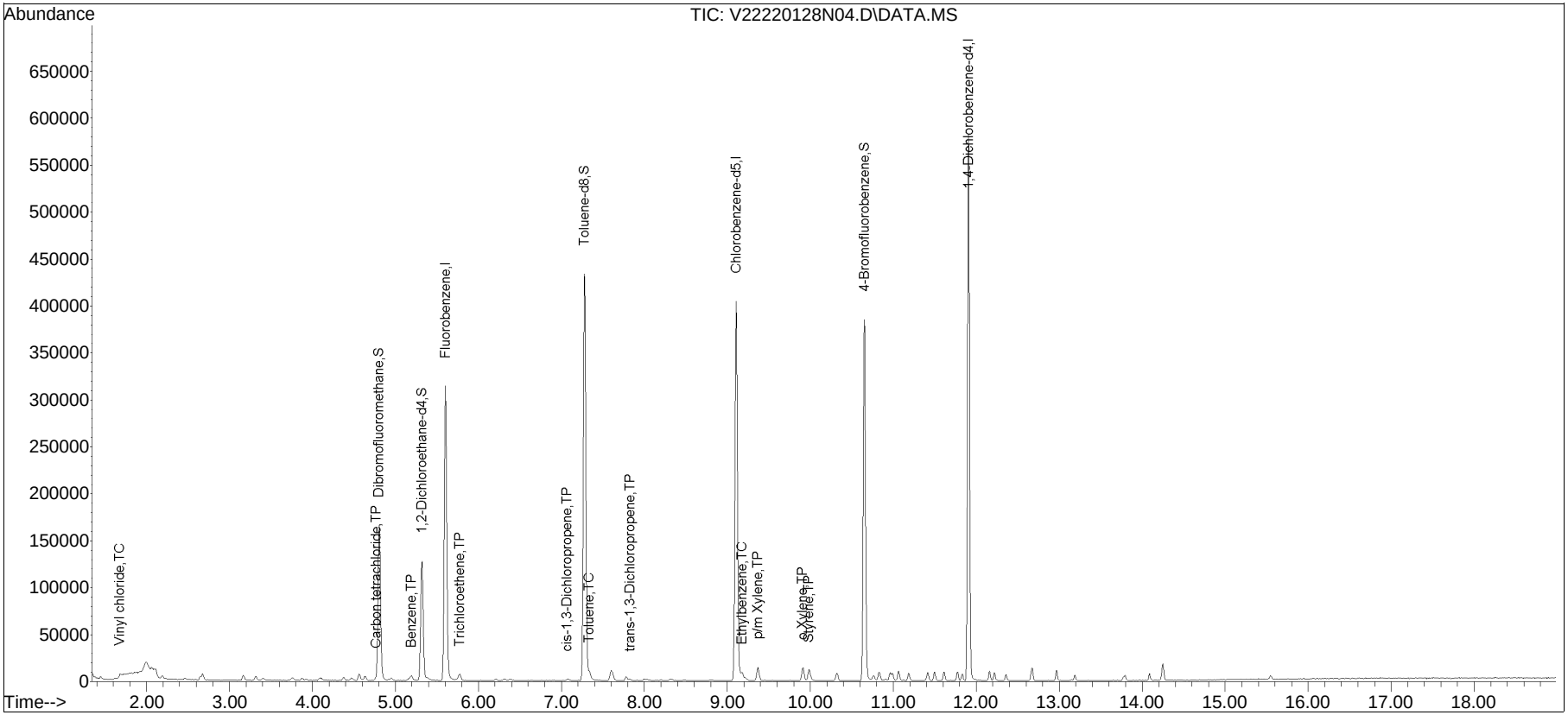
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N04.D
Acq On : 28 Jan 2022 07:06 pm
Operator : VOA122:PD
Sample : I8260STD0.19PPB
Misc : WG1600684,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 18:13:40 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

Sub List : 8260-L11 - Level 11 for 8260-LRR product\V22220128N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2	QMethod	: V122_220128N_8260D.m
Data File	: V22220128N04.D	Operator	: VOA122:PD
Date Inj'd	: 1/28/2022 7:06 pm	Instrument	: VOA122
Sample	: I8260STD0.19PPB	Quant Date	: 2/3/2022 6:13 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N06.D
Acq On : 28 Jan 2022 07:55 pm
Operator : VOA122:PD
Sample : I8260STD0.5PPB
Misc : WG1600684,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 03 20:16:04 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.602	96	286234	10.000	ug/L	0.00
Standard Area 1 = 341437			Recovery = 83.83%			
62) Chlorobenzene-d5	9.107	117	273321	10.000	ug/L	0.00
Standard Area 1 = 290921			Recovery = 93.95%			
83) 1,4-Dichlorobenzene-d4	11.908	152	158325	10.000	ug/L	0.00
Standard Area 1 = 161831			Recovery = 97.83%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.802	113	105921	11.711	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 117.11%			
46) 1,2-Dichloroethane-d4	5.322	65	96969	10.930	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.30%			
63) Toluene-d8	7.283	98	328418	9.744	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.44%			
87) 4-Bromofluorobenzene	10.654	95	144526	10.108	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.08%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.449	85	3244	0.430	ug/L	97
3) Chloromethane	1.624	50	3463	0.487	ug/L	92
4) Vinyl chloride	1.679	62	3157	0.429	ug/L	98
5) Bromomethane	1.951	94	1663	0.578	ug/L	88
6) Chloroethane	2.063	64	2481	0.531	ug/L	78
7) Trichlorofluoromethane	2.195	101	4656	0.428	ug/L	97
8) Ethyl ether	2.467	74	1493	0.508	ug/L #	1
10) 1,1-Dichloroethene	2.648	96	2650	0.438	ug/L	88
11) Carbon disulfide	2.676	76	8083	0.498	ug/L	99
12) Freon-113	2.683	101	2392	0.382	ug/L	94
13) Iodomethane	0.000		0	N.D.		
14) Acrolein	2.955	56	131	0.385	ug/L #	1
15) Methylene chloride	3.171	84	4181	0.610	ug/L	83
17) Acetone	3.220	43	1740	0.072	ug/L #	54
18) trans-1,2-Dichloroethene	3.317	96	2771	0.425	ug/L	85
19) Methyl acetate	3.331	43	2324	0.860	ug/L #	59
21) Methyl tert-butyl ether	3.401	73	4516	0.380	ug/L #	69
22) tert-Butyl alcohol	3.492	59	1048	3.042	ug/L #	63
24) Diisopropyl ether	3.757	45	5723	0.381	ug/L #	77
25) 1,1-Dichloroethane	3.875	63	5618	0.464	ug/L	98
26) Halothane	3.924	117	1944	0.373	ug/L	98

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N06.D
Acq On : 28 Jan 2022 07:55 pm
Operator : VOA122:PD
Sample : I8260STD0.5PPB
Misc : WG1600684,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 03 20:16:04 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.924	53	826	0.545	ug/L	#	64
28) Ethyl tert-butyl ether	4.098	59	5290	0.382	ug/L		87
29) Vinyl acetate	4.112	43	4025	0.472	ug/L	#	71
30) cis-1,2-Dichloroethene	4.384	96	3656	0.497	ug/L		93
31) 2,2-Dichloropropane	4.475	77	3560	0.391	ug/L	#	75
32) Bromochloromethane	4.565	128	1952	0.578	ug/L		89
33) Cyclohexane	4.572	56	4050	0.376	ug/L		77
34) Chloroform	4.628	83	7613	0.599	ug/L		95
35) Ethyl acetate	4.760	43	2723	0.702	ug/L	#	69
36) Carbon tetrachloride	4.760	117	3246	0.346	ug/L	#	89
37) Tetrahydrofuran	4.788	42	1416	1.006	ug/L	#	65
39) 1,1,1-Trichloroethane	4.830	97	3797	0.356	ug/L	#	97
41) 2-Butanone	4.942	43	1370	0.839	ug/L	#	29
42) 1,1-Dichloropropene	4.949	75	2487	0.294	ug/L		91
44) Benzene	5.189	78	8794	0.396	ug/L		92
45) tert-Amyl methyl ether	5.307	73	5058	0.433	ug/L		92
47) 1,2-Dichloroethane	5.388	62	4123	0.519	ug/L		95
50) Methyl cyclohexane	5.765	83	3726	0.376	ug/L	#	83
51) Trichloroethene	5.779	95	2203	0.356	ug/L		95
53) Dibromomethane	6.215	93	1470	0.619	ug/L	#	82
54) 1,2-Dichloropropane	6.311	63	2181	0.389	ug/L		98
56) 2-Chloroethyl vinyl ether	0.000		0	N.D.			
57) Bromodichloromethane	6.384	83	3786	0.450	ug/L	#	90
60) 1,4-Dioxane	6.591	88	4405	112.343	ug/L	#	66
61) cis-1,3-Dichloropropene	7.077	75	3162	0.385	ug/L	#	74
64) Toluene	7.342	92	6634	0.376	ug/L		100
65) 4-Methyl-2-pentanone	7.784	58	533	0.367	ug/L	#	1
66) Tetrachloroethene	7.784	166	2889	0.346	ug/L		96
68) trans-1,3-Dichloropropene	7.828	75	2737	0.624	ug/L	#	68
70) Ethyl methacrylate	8.035	69	2987	0.478	ug/L		79
71) 1,1,2-Trichloroethane	7.998	83	1453	0.359	ug/L		95
72) Chlorodibromomethane	8.197	129	1520	0.326	ug/L		98
73) 1,3-Dichloropropane	8.322	76	2965	0.355	ug/L		97
74) 1,2-Dibromoethane	8.473	107	1826	0.361	ug/L		99
76) 2-Hexanone	8.790	43	1502	0.501	ug/L	#	50
77) Chlorobenzene	9.131	112	8638	0.424	ug/L	#	83
78) Ethylbenzene	9.179	91	14706	0.413	ug/L		98
79) 1,1,1,2-Tetrachloroethane	9.211	131	2469	0.353	ug/L	#	64
80) p/m Xylene	9.361	106	11609	0.827	ug/L		98
81) o Xylene	9.908	106	11222	0.835	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N06.D
Acq On : 28 Jan 2022 07:55 pm
Operator : VOA122:PD
Sample : I8260STD0.5PPB
Misc : WG1600684,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 03 20:16:04 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	9.980	104	19263	0.869	ug/L		99
84) Bromoform	9.988	173	1297	0.624	ug/L		94
86) Isopropylbenzene	10.321	105	15039	0.380	ug/L		100
88) Bromobenzene	10.765	156	4044	0.434	ug/L		94
89) n-Propylbenzene	10.828	91	17659	0.385	ug/L		96
90) 1,4-Dichlorobutane	10.836	55	4967	0.501	ug/L		98
91) 1,1,2,2-Tetrachloroethane	10.908	83	3000	0.482	ug/L		88
92) 4-Ethyltoluene	10.963	105	14688	0.383	ug/L		97
93) 2-Chlorotoluene	10.987	91	13435	0.429	ug/L		93
94) 1,3,5-Trimethylbenzene	11.066	105	12536	0.389	ug/L		95
95) 1,2,3-Trichloropropane	11.050	75	2400	0.469	ug/L		90
96) trans-1,4-Dichloro-2-b...	11.114	53	450	0.229	ug/L	#	71
97) 4-Chlorotoluene	11.185	91	11792	0.421	ug/L		96
98) tert-Butylbenzene	11.414	119	8535	0.373	ug/L		95
101) 1,2,4-Trimethylbenzene	11.498	105	12682	0.401	ug/L		96
102) sec-Butylbenzene	11.609	105	15499	0.381	ug/L		97
103) p-Isopropyltoluene	11.776	119	13263	0.378	ug/L		96
104) 1,3-Dichlorobenzene	11.832	146	8190	0.437	ug/L		98
105) 1,4-Dichlorobenzene	11.922	146	8665M3	0.457	ug/L		
106) p-Diethylbenzene	12.159	119	7711	0.378	ug/L		99
107) n-Butylbenzene	12.215	91	10707	0.379	ug/L		97
108) 1,2-Dichlorobenzene	12.361	146	7303	0.428	ug/L		99
109) 1,2,4,5-Tetramethylben...	12.967	119	11992	0.401	ug/L		98
110) 1,2-Dibromo-3-chloropr...	13.147	155	420	0.395	ug/L		96
111) 1,3,5-Trichlorobenzene	13.182	180	4934	0.434	ug/L		95
112) Hexachlorobutadiene	13.774	225	1434	0.358	ug/L		94
113) 1,2,4-Trichlorobenzene	13.795	180	4150	0.418	ug/L		97
114) Naphthalene	14.087	128	11243	0.500	ug/L		100
115) 1,2,3-Trichlorobenzene	14.254	180	4085	0.479	ug/L		97

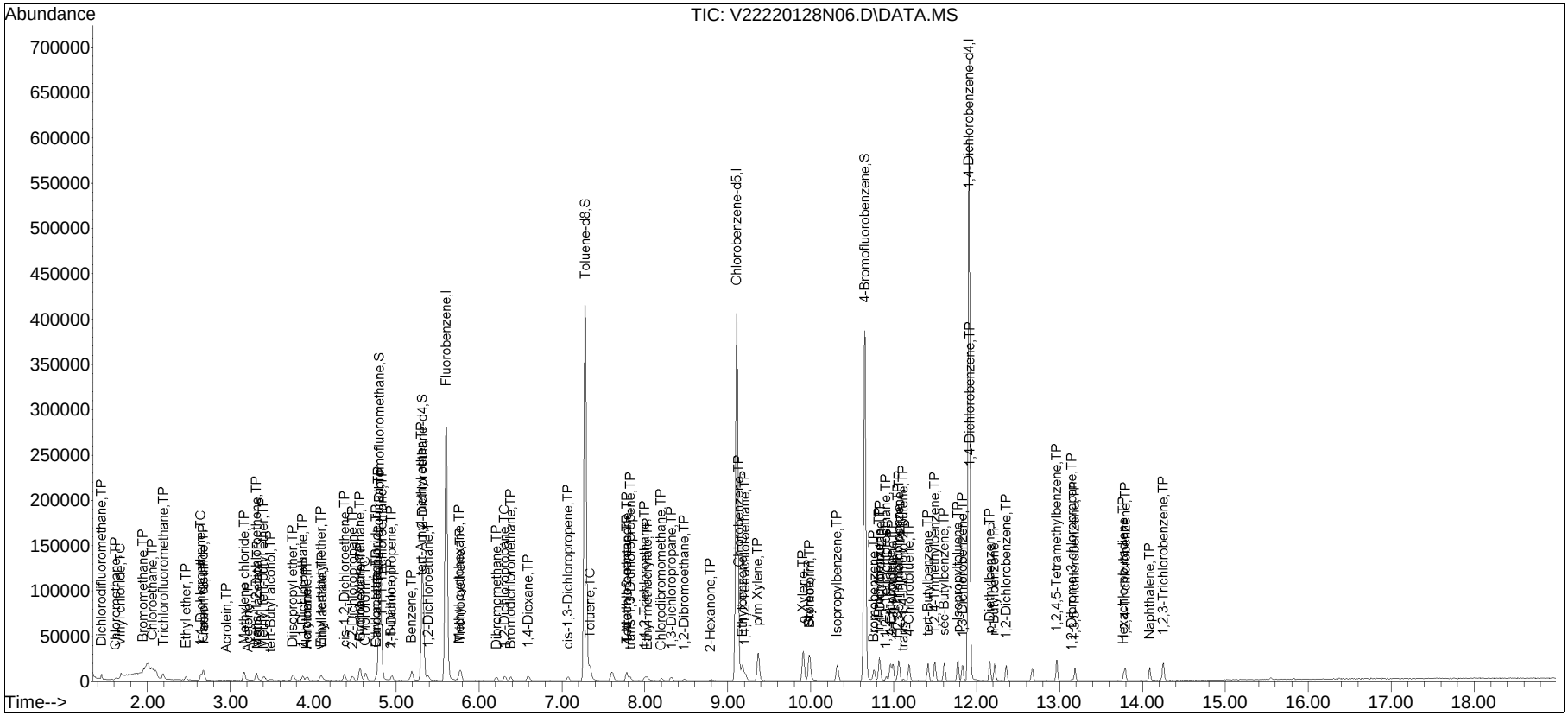
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N06.D
Acq On : 28 Jan 2022 07:55 pm
Operator : VOA122:PD
Sample : I8260STD0.5PPB
Misc : WG1600684,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 03 20:16:04 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

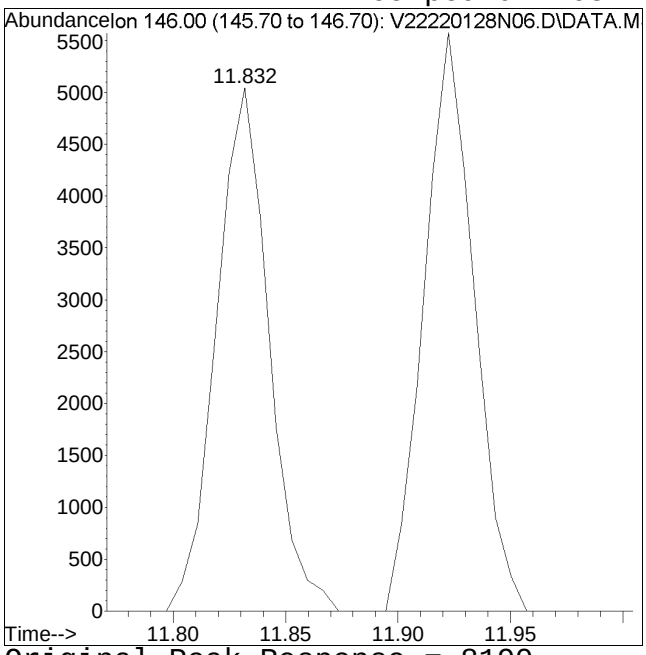
Sub List : 8260-Curve - Megamix plus Diox20128NICAL\V22220128N09.D•

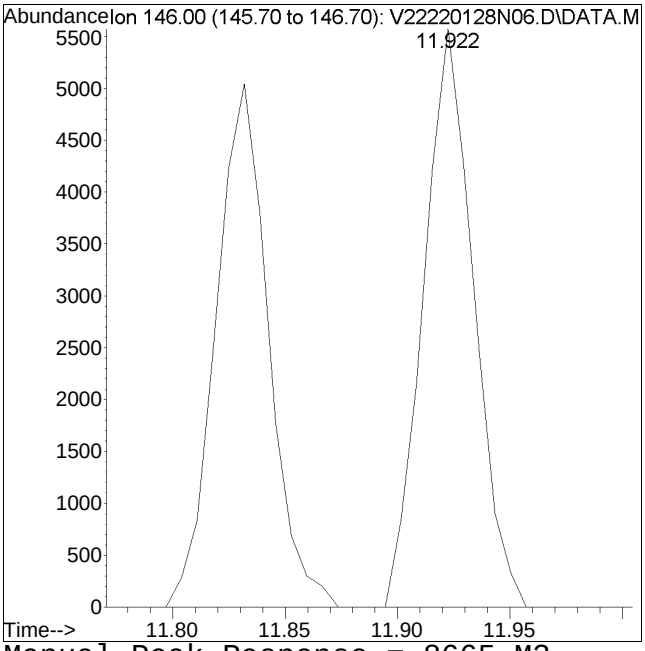


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2022\2QMethod : V122_220128N_8260D.m
Data File : V22220128N06.D Operator : VOA122:PD
Date Inj'd : 1/28/2022 7:55 pm Instrument : VOA122
Sample : I8260STD0.5PPB Quant Date : 2/3/2022 8:15 pm

Compound #105: 1,4-Dichlorobenzene





Original Peak Response = 8190 Manual Peak Response = 8665 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N08.D
Acq On : 28 Jan 2022 08:43 pm
Operator : VOA122:PD
Sample : I8260STD2PPB
Misc : WG1600684,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 03 18:16:40 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 18:14:33 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.602	96	293200	10.000	ug/L	0.00
Standard Area 1 = 341437			Recovery =	85.87%		
62) Chlorobenzene-d5	9.107	117	274033	10.000	ug/L	0.00
Standard Area 1 = 290921			Recovery =	94.19%		
83) 1,4-Dichlorobenzene-d4	11.908	152	157071	10.000	ug/L	0.00
Standard Area 1 = 161831			Recovery =	97.06%		
System Monitoring Compounds						
38) Dibromofluoromethane	4.809	113	107313	11.583	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	115.83%		
46) 1,2-Dichloroethane-d4	5.321	65	99773	10.979	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	109.79%		
63) Toluene-d8	7.276	98	329922	9.763	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.63%		
87) 4-Bromofluorobenzene	10.654	95	144140	10.162	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.62%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.449	85	18511	2.394	ug/L	96
3) Chloromethane	1.630	50	18314	2.513	ug/L	98
4) Vinyl chloride	1.679	62	17891	2.372	ug/L	96
5) Bromomethane	1.958	94	5739	1.948	ug/L	97
6) Chloroethane	2.063	64	11847	2.476	ug/L	93
7) Trichlorofluoromethane	2.188	101	27001	2.421	ug/L	100
8) Ethyl ether	2.467	74	6084	2.020	ug/L #	1
10) 1,1-Dichloroethene	2.648	96	15195	2.454	ug/L	87
11) Carbon disulfide	2.676	76	40167	2.417	ug/L	99
12) Freon-113	2.683	101	14922	2.329	ug/L	93
13) Iodomethane	2.774	142	3595	2.126	ug/L	92
14) Acrolein	2.948	56	716	2.054	ug/L #	35
15) Methylene chloride	3.171	84	17525	2.497	ug/L	85
17) Acetone	3.213	43	3850	1.962	ug/L #	79
18) trans-1,2-Dichloroethene	3.317	96	16351	2.446	ug/L	92
19) Methyl acetate	3.324	43	6359	2.298	ug/L #	93
21) Methyl tert-butyl ether	3.408	73	21809	1.793	ug/L #	90
22) tert-Butyl alcohol	3.485	59	4165	11.801	ug/L #	77
24) Diisopropyl ether	3.757	45	28259	1.835	ug/L	91
25) 1,1-Dichloroethane	3.875	63	30099	2.425	ug/L	98
26) Halothane	3.924	117	11773	2.207	ug/L	97

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N08.D
Acq On : 28 Jan 2022 08:43 pm
Operator : VOA122:PD
Sample : I8260STD2PPB
Misc : WG1600684,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 03 18:16:40 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 18:14:33 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.924	53	3381	2.177	ug/L		97
28) Ethyl tert-butyl ether	4.091	59	24941	1.756	ug/L		96
29) Vinyl acetate	4.112	43	14301	1.638	ug/L	#	86
30) cis-1,2-Dichloroethene	4.377	96	18620	2.470	ug/L		93
31) 2,2-Dichloropropane	4.475	77	21164	2.272	ug/L		89
32) Bromochloromethane	4.565	128	8623	2.492	ug/L		88
33) Cyclohexane	4.572	56	22803	2.068	ug/L		88
34) Chloroform	4.635	83	31281	2.403	ug/L		97
35) Ethyl acetate	4.753	43	8457	2.130	ug/L	#	91
36) Carbon tetrachloride	4.767	117	20621	2.147	ug/L	#	95
37) Tetrahydrofuran	4.788	42	3840	2.664	ug/L		90
39) 1,1,1-Trichloroethane	4.830	97	24563	2.248	ug/L		99
41) 2-Butanone	4.928	43	3233	1.933	ug/L	#	75
42) 1,1-Dichloropropene	4.956	75	17048	1.968	ug/L		97
44) Benzene	5.189	78	46489	2.045	ug/L		96
45) tert-Amyl methyl ether	5.307	73	21923	1.832	ug/L		95
47) 1,2-Dichloroethane	5.388	62	18049	2.218	ug/L		98
50) Methyl cyclohexane	5.772	83	20025	1.971	ug/L	#	83
51) Trichloroethene	5.779	95	12137	1.916	ug/L		96
53) Dibromomethane	6.215	93	5802	2.385	ug/L	#	84
54) 1,2-Dichloropropane	6.311	63	11007	1.916	ug/L		98
56) 2-Chloroethyl vinyl ether	7.018	63	745	1.991	ug/L	#	13
57) Bromodichloromethane	6.377	83	17480	2.027	ug/L		98
60) 1,4-Dioxane	6.591	88	18189	452.864	ug/L	#	79
61) cis-1,3-Dichloropropene	7.069	75	14964	1.777	ug/L	#	84
64) Toluene	7.335	92	34960	1.974	ug/L		99
65) 4-Methyl-2-pentanone	7.777	58	2950	2.023	ug/L		81
66) Tetrachloroethene	7.777	166	15662	1.874	ug/L		93
68) trans-1,3-Dichloropropene	7.821	75	13881	1.585	ug/L		85
70) Ethyl methacrylate	8.020	69	12180	1.945	ug/L		89
71) 1,1,2-Trichloroethane	7.998	83	6710	1.653	ug/L		96
72) Chlorodibromomethane	8.197	129	8103	1.731	ug/L		98
73) 1,3-Dichloropropane	8.314	76	14305	1.707	ug/L		99
74) 1,2-Dibromoethane	8.473	107	8227	1.623	ug/L		92
76) 2-Hexanone	8.790	43	6818	2.269	ug/L	#	80
77) Chlorobenzene	9.123	112	41702	2.041	ug/L		97
78) Ethylbenzene	9.179	91	73973	2.071	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.210	131	11702	1.668	ug/L		99
80) p/m Xylene	9.361	106	59905	4.254	ug/L		99
81) o Xylene	9.908	106	57884	4.298	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N08.D
Acq On : 28 Jan 2022 08:43 pm
Operator : VOA122:PD
Sample : I8260STD2PPB
Misc : WG1600684,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 03 18:16:40 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 18:14:33 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82)	Styrene	9.980	104	92174	4.148	ug/L		96
84)	Bromoform	9.988	173	6389	1.753	ug/L		99
86)	Isopropylbenzene	10.321	105	79725	2.028	ug/L		97
88)	Bromobenzene	10.765	156	18159	1.963	ug/L		96
89)	n-Propylbenzene	10.828	91	93372	2.052	ug/L		98
90)	1,4-Dichlorobutane	10.836	55	18754	1.907	ug/L		98
91)	1,1,2,2-Tetrachloroethane	10.908	83	11404	1.846	ug/L		97
92)	4-Ethyltoluene	10.955	105	76654	2.016	ug/L		99
93)	2-Chlorotoluene	10.987	91	62695	2.020	ug/L		99
94)	1,3,5-Trimethylbenzene	11.066	105	65960	2.064	ug/L		98
95)	1,2,3-Trichloropropane	11.050	75	9715	1.916	ug/L		95
96)	trans-1,4-Dichloro-2-b...	11.114	53	3182	1.631	ug/L	#	75
97)	4-Chlorotoluene	11.185	91	56042	2.018	ug/L		99
98)	tert-Butylbenzene	11.414	119	45978	2.025	ug/L		99
101)	1,2,4-Trimethylbenzene	11.498	105	64450	2.053	ug/L		99
102)	sec-Butylbenzene	11.609	105	81774	2.026	ug/L		100
103)	p-Isopropyltoluene	11.776	119	70675	2.031	ug/L		97
104)	1,3-Dichlorobenzene	11.825	146	37977	2.042	ug/L		97
105)	1,4-Dichlorobenzene	11.922	146	39175	2.083	ug/L		96
106)	p-Diethylbenzene	12.159	119	39801	1.967	ug/L		98
107)	n-Butylbenzene	12.215	91	57202	2.041	ug/L		98
108)	1,2-Dichlorobenzene	12.354	146	34936	2.063	ug/L		98
109)	1,2,4,5-Tetramethylben...	12.966	119	59464	2.006	ug/L		98
110)	1,2-Dibromo-3-chloropr...	13.147	155	1803	1.709	ug/L		99
111)	1,3,5-Trichlorobenzene	13.182	180	22279	1.974	ug/L		95
112)	Hexachlorobutadiene	13.774	225	7765	1.952	ug/L		97
113)	1,2,4-Trichlorobenzene	13.788	180	19417	1.973	ug/L		96
114)	Naphthalene	14.087	128	43178	1.936	ug/L		100
115)	1,2,3-Trichlorobenzene	14.254	180	17044	2.015	ug/L		98

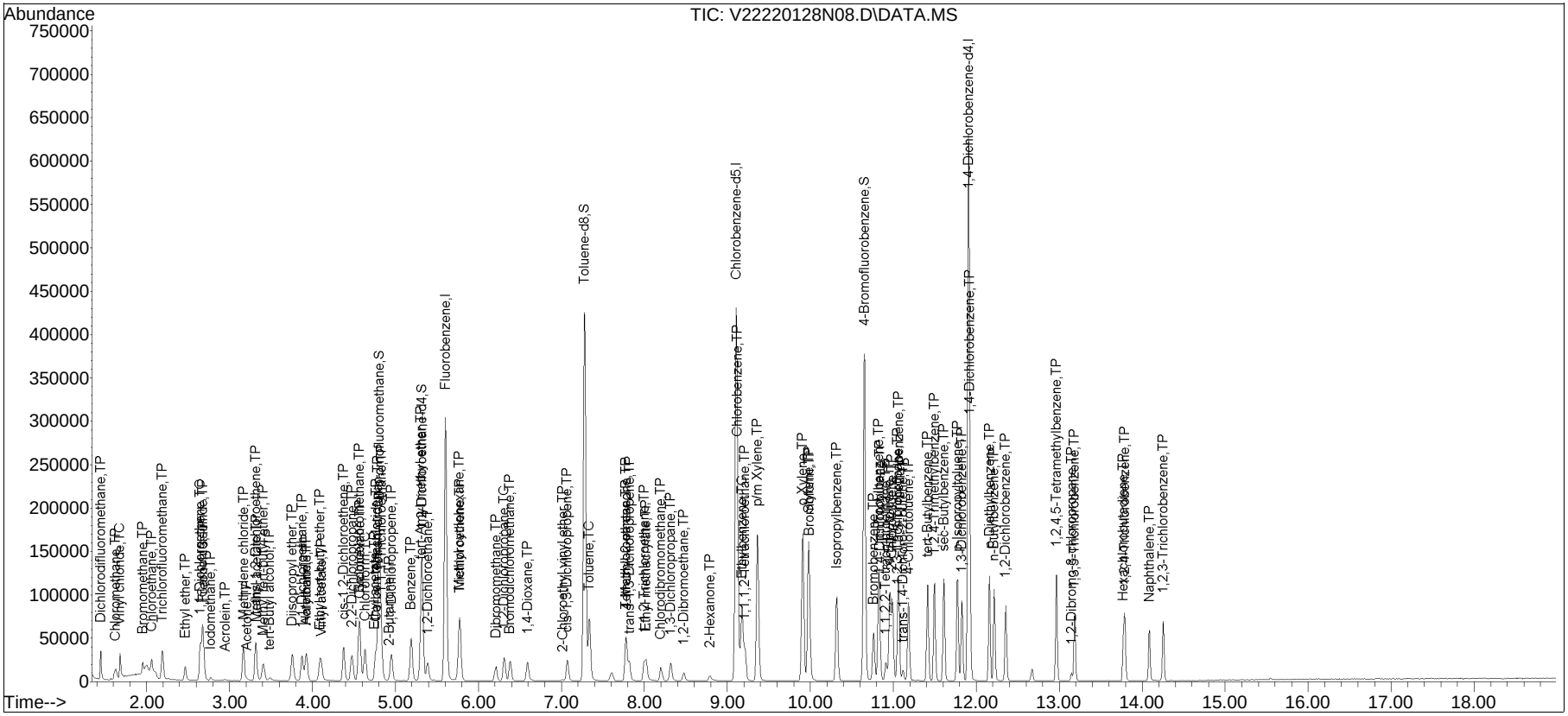
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N08.D
Acq On : 28 Jan 2022 08:43 pm
Operator : VOA122:PD
Sample : I8260STD2PPB
Misc : WG1600684,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 03 18:16:40 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 18:14:33 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox20128NICAL\V22220128N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2	QMethod	: V122_220128N_8260D.m
Data File	: V22220128N08.D	Operator	: VOA122:PD
Date Inj'd	: 1/28/2022 8:43 pm	Instrument	: VOA122
Sample	: I8260STD2PPB	Quant Date	: 2/3/2022 6:16 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N09.D
Acq On : 28 Jan 2022 09:07 pm
Operator : VOA122:PD
Sample : I8260STD10PPB
Misc : WG1600684,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 02 12:27:08 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.602	96	341437	10.000	ug/L	0.00
Standard Area 1 = 341437			Recovery = 100.00%			
62) Chlorobenzene-d5	9.107	117	290921	10.000	ug/L	0.00
Standard Area 1 = 290921			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	11.908	152	161831	10.000	ug/L	0.00
Standard Area 1 = 161831			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.802	113	111710	10.354	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.54%			
46) 1,2-Dichloroethane-d4	5.321	65	108108	10.215	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.15%			
63) Toluene-d8	7.276	98	356865	9.947	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.47%			
87) 4-Bromofluorobenzene	10.654	95	146286	10.009	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.09%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.449	85	109371	12.145	ug/L	98
3) Chloromethane	1.630	50	97894	11.533	ug/L	99
4) Vinyl chloride	1.679	62	100948	11.491	ug/L	100
5) Bromomethane	1.951	94	25331	7.384	ug/L	99
6) Chloroethane	2.056	64	63935	11.473	ug/L	99
7) Trichlorofluoromethane	2.188	101	155298	11.956	ug/L	100
8) Ethyl ether	2.467	74	37489	10.690	ug/L #	1
10) 1,1-Dichloroethene	2.648	96	85471	11.856	ug/L	86
11) Carbon disulfide	2.676	76	222552	11.500	ug/L	99
12) Freon-113	2.683	101	91505	12.266	ug/L	95
13) Iodomethane	2.774	142	63328	9.423	ug/L	91
14) Acrolein	2.948	56	4408	10.859	ug/L #	82
15) Methylene chloride	3.164	84	89131	10.905	ug/L	87
17) Acetone	3.206	43	14758	10.029	ug/L	99
18) trans-1,2-Dichloroethene	3.317	96	91344	11.733	ug/L	92
19) Methyl acetate	3.324	43	34579	10.731	ug/L	95
21) Methyl tert-butyl ether	3.408	73	148026	10.450	ug/L	94
22) tert-Butyl alcohol	3.485	59	21347	51.939	ug/L	92
24) Diisopropyl ether	3.756	45	180296	10.055	ug/L	96
25) 1,1-Dichloroethane	3.875	63	166887	11.544	ug/L	98
26) Halothane	3.924	117	71863	11.568	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N09.D
Acq On : 28 Jan 2022 09:07 pm
Operator : VOA122:PD
Sample : I8260STD10PPB
Misc : WG1600684,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 02 12:27:08 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.917	53	19473	10.769	ug/L		96
28) Ethyl tert-butyl ether	4.091	59	163168	9.865	ug/L		93
29) Vinyl acetate	4.105	43	88908	8.743	ug/L	#	93
30) cis-1,2-Dichloroethene	4.377	96	98159	11.180	ug/L		89
31) 2,2-Dichloropropane	4.474	77	126026	11.617	ug/L		91
32) Bromochloromethane	4.558	128	44816	11.120	ug/L		90
33) Cyclohexane	4.565	56	154199	12.011	ug/L		84
34) Chloroform	4.635	83	162858	10.744	ug/L		97
35) Ethyl acetate	4.746	43	43699	9.451	ug/L		98
36) Carbon tetrachloride	4.767	117	135462	12.112	ug/L		98
37) Tetrahydrofuran	4.781	42	18231	10.859	ug/L		93
39) 1,1,1-Trichloroethane	4.830	97	151937	11.938	ug/L		97
41) 2-Butanone	4.928	43	19887	10.211	ug/L		91
42) 1,1-Dichloropropene	4.948	75	112801	11.184	ug/L		98
44) Benzene	5.188	78	294309	11.115	ug/L		96
45) tert-Amyl methyl ether	5.307	73	136652	9.806	ug/L		96
47) 1,2-Dichloroethane	5.388	62	101978	10.762	ug/L		98
50) Methyl cyclohexane	5.772	83	129705	10.963	ug/L		87
51) Trichloroethene	5.779	95	82669	11.207	ug/L		96
53) Dibromomethane	6.215	93	28926	10.209	ug/L		88
54) 1,2-Dichloropropane	6.311	63	72114	10.777	ug/L		99
56) 2-Chloroethyl vinyl ether	7.010	63	4924	11.300	ug/L	#	68
57) Bromodichloromethane	6.384	83	106215	10.578	ug/L		100
60) 1,4-Dioxane	6.590	88	24255	518.577	ug/L	#	77
61) cis-1,3-Dichloropropene	7.069	75	104755	10.683	ug/L	#	90
64) Toluene	7.335	92	200941	10.688	ug/L		97
65) 4-Methyl-2-pentanone	7.777	58	15427	9.967	ug/L		82
66) Tetrachloroethene	7.777	166	95331	10.742	ug/L		94
68) trans-1,3-Dichloropropene	7.813	75	87890	8.654	ug/L		89
70) Ethyl methacrylate	8.020	69	69037	10.382	ug/L		94
71) 1,1,2-Trichloroethane	7.998	83	41910	9.722	ug/L		99
72) Chlorodibromomethane	8.196	129	48644	9.787	ug/L		98
73) 1,3-Dichloropropane	8.314	76	86975	9.774	ug/L		100
74) 1,2-Dibromoethane	8.473	107	52958	9.839	ug/L		99
76) 2-Hexanone	8.782	43	32339	10.140	ug/L		93
77) Chlorobenzene	9.123	112	230107	10.610	ug/L		93
78) Ethylbenzene	9.179	91	415504	10.957	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.210	131	73912	9.926	ug/L		96
80) p/m Xylene	9.361	106	334224	22.357	ug/L		97
81) o Xylene	9.908	106	311669	21.798	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N09.D
Acq On : 28 Jan 2022 09:07 pm
Operator : VOA122:PD
Sample : I8260STD10PPB
Misc : WG1600684,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 02 12:27:08 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	9.980	104	519975	22.041	ug/L	97
84) Bromoform	9.988	173	39559	8.807	ug/L	99
86) Isopropylbenzene	10.321	105	441778	10.907	ug/L	98
88) Bromobenzene	10.765	156	98920	10.379	ug/L	99
89) n-Propylbenzene	10.820	91	515261	10.993	ug/L	99
90) 1,4-Dichlorobutane	10.836	55	97823	9.656	ug/L	98
91) 1,1,2,2-Tetrachloroethane	10.907	83	61387	9.644	ug/L	99
92) 4-Ethyltoluene	10.955	105	428494	10.940	ug/L	100
93) 2-Chlorotoluene	10.987	91	341584	10.682	ug/L	99
94) 1,3,5-Trimethylbenzene	11.066	105	349890	10.628	ug/L	98
95) 1,2,3-Trichloropropane	11.050	75	51727	9.899	ug/L	99
96) trans-1,4-Dichloro-2-b...	11.114	53	18726	9.314	ug/L	84
97) 4-Chlorotoluene	11.185	91	306920	10.729	ug/L	99
98) tert-Butylbenzene	11.414	119	246803	10.552	ug/L	98
101) 1,2,4-Trimethylbenzene	11.498	105	342368	10.583	ug/L	98
102) sec-Butylbenzene	11.609	105	461877	11.109	ug/L	99
103) p-Isopropyltoluene	11.776	119	391616	10.925	ug/L	97
104) 1,3-Dichlorobenzene	11.825	146	199068	10.388	ug/L	98
105) 1,4-Dichlorobenzene	11.922	146	201531	10.402	ug/L	98
106) p-Diethylbenzene	12.159	119	223387	10.713	ug/L	99
107) n-Butylbenzene	12.215	91	312382	10.817	ug/L	98
108) 1,2-Dichlorobenzene	12.354	146	182736	10.472	ug/L	97
109) 1,2,4,5-Tetramethylben...	12.966	119	327266	10.718	ug/L	98
110) 1,2-Dibromo-3-chloropr...	13.147	155	10570	9.722	ug/L	100
111) 1,3,5-Trichlorobenzene	13.182	180	120265	10.345	ug/L	97
112) Hexachlorobutadiene	13.774	225	43341	10.575	ug/L	99
113) 1,2,4-Trichlorobenzene	13.788	180	102275	10.087	ug/L	98
114) Naphthalene	14.087	128	228193	9.929	ug/L	100
115) 1,2,3-Trichlorobenzene	14.254	180	86040	9.873	ug/L	97

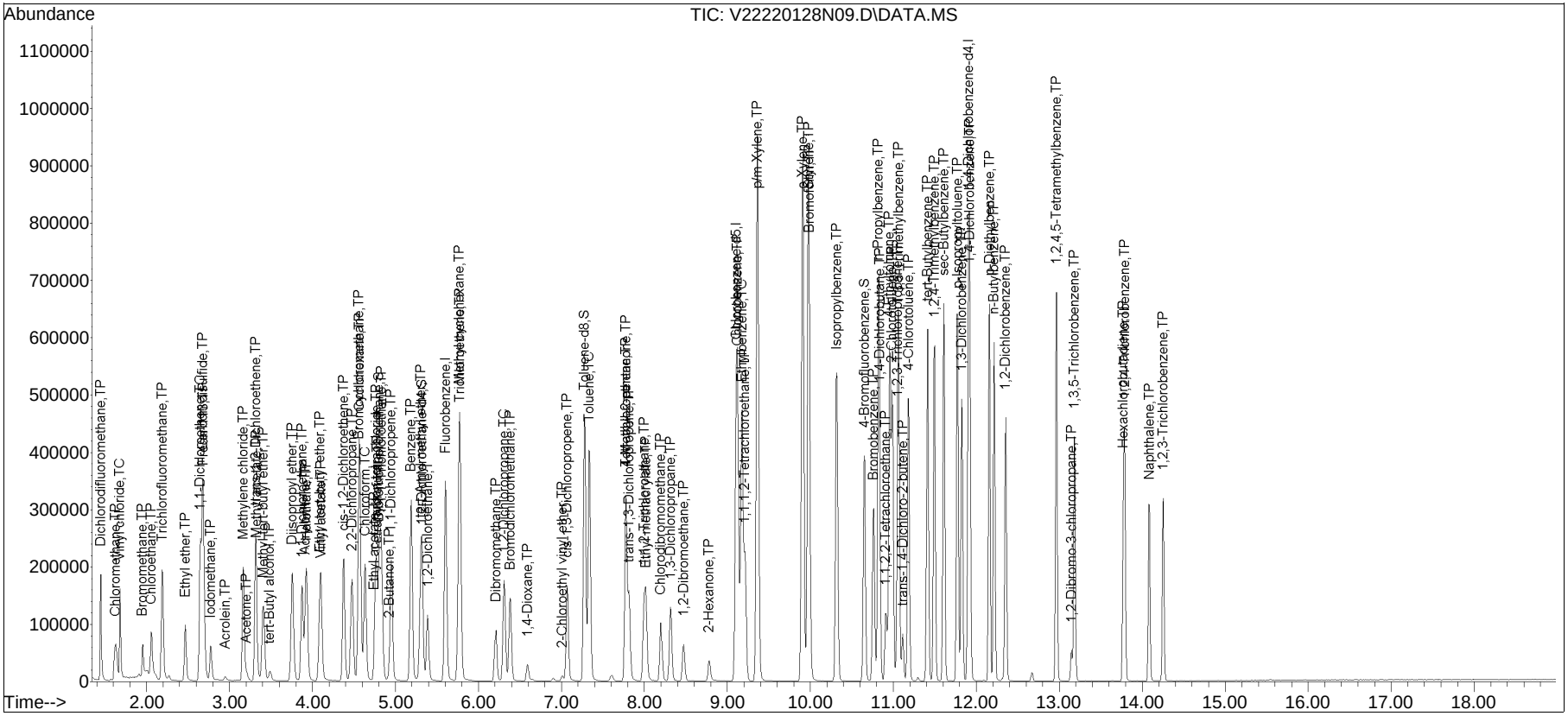
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N09.D
Acq On : 28 Jan 2022 09:07 pm
Operator : VOA122:PD
Sample : I8260STD10PPB
Misc : WG1600684,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 02 12:27:08 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox20128NICAL\V22220128N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2Q	Method	: V122_220128N_8260D.m
Data File	: V22220128N09.D	Operator	: VOA122:PD
Date Inj'd	: 1/28/2022 9:07 pm	Instrument	: VOA122
Sample	: I8260STD10PPB	Quant Date	: 2/2/2022 12:27 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N10.D
Acq On : 28 Jan 2022 09:32 pm
Operator : VOA122:PD
Sample : I8260STD30PPB
Misc : WG1600684,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 02 12:27:15 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.602	96	382920	10.000	ug/L	0.00
Standard Area 1 = 341437			Recovery = 112.15%			
62) Chlorobenzene-d5	9.107	117	299389	10.000	ug/L	0.00
Standard Area 1 = 290921			Recovery = 102.91%			
83) 1,4-Dichlorobenzene-d4	11.908	152	161778	10.000	ug/L	0.00
Standard Area 1 = 161831			Recovery = 99.97%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.802	113	112497	9.297	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.97%			
46) 1,2-Dichloroethane-d4	5.321	65	114040	9.609	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.09%			
63) Toluene-d8	7.276	98	371142	10.052	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.52%			
87) 4-Bromofluorobenzene	10.654	95	144968	9.923	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.23%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.449	85	308632	30.559	ug/L	97
3) Chloromethane	1.630	50	279970	29.411	ug/L	99
4) Vinyl chloride	1.679	62	293381	29.777	ug/L	99
5) Bromomethane	1.958	94	88481	22.997	ug/L	99
6) Chloroethane	2.056	64	181350	29.018	ug/L	99
7) Trichlorofluoromethane	2.188	101	441787	30.326	ug/L	100
8) Ethyl ether	2.467	74	118595	30.154	ug/L #	1
10) 1,1-Dichloroethene	2.648	96	242760	30.025	ug/L	86
11) Carbon disulfide	2.676	76	631238	29.085	ug/L	99
12) Freon-113	2.683	101	261163	31.215	ug/L	95
13) Iodomethane	2.774	142	249538	29.131	ug/L	90
14) Acrolein	2.948	56	14303	31.417	ug/L	93
15) Methylene chloride	3.164	84	250993	27.383	ug/L	85
17) Acetone	3.206	43	45437	30.251	ug/L	99
18) trans-1,2-Dichloroethene	3.317	96	262454	30.059	ug/L	91
19) Methyl acetate	3.324	43	107246	29.676	ug/L	94
21) Methyl tert-butyl ether	3.408	73	501089	31.543	ug/L	94
22) tert-Butyl alcohol	3.492	59	63641	138.068	ug/L	97
24) Diisopropyl ether	3.756	45	624748	31.067	ug/L	96
25) 1,1-Dichloroethane	3.875	63	481163	29.677	ug/L	98
26) Halothane	3.924	117	218242	31.325	ug/L	100

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N10.D
Acq On : 28 Jan 2022 09:32 pm
Operator : VOA122:PD
Sample : I8260STD30PPB
Misc : WG1600684,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 02 12:27:15 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.917	53	60761	29.962	ug/L		97
28) Ethyl tert-butyl ether	4.091	59	573942	30.942	ug/L		97
29) Vinyl acetate	4.105	43	339950	29.809	ug/L	#	94
30) cis-1,2-Dichloroethene	4.377	96	286986	29.146	ug/L		90
31) 2,2-Dichloropropane	4.474	77	366217	30.101	ug/L		92
32) Bromochloromethane	4.558	128	130938	28.970	ug/L		90
33) Cyclohexane	4.572	56	464113	32.234	ug/L		84
34) Chloroform	4.635	83	478263	28.133	ug/L		97
35) Ethyl acetate	4.746	43	141915	27.367	ug/L		98
36) Carbon tetrachloride	4.767	117	414314	33.032	ug/L		99
37) Tetrahydrofuran	4.781	42	54385	28.885	ug/L		94
39) 1,1,1-Trichloroethane	4.830	97	452278	31.687	ug/L		97
41) 2-Butanone	4.921	43	66839	30.600	ug/L		92
42) 1,1-Dichloropropene	4.948	75	378790	33.488	ug/L		99
44) Benzene	5.188	78	948404	31.937	ug/L		96
45) tert-Amyl methyl ether	5.307	73	466094	29.822	ug/L		97
47) 1,2-Dichloroethane	5.388	62	314680	29.610	ug/L		99
50) Methyl cyclohexane	5.772	83	413802	31.186	ug/L		86
51) Trichloroethene	5.779	95	274626	33.196	ug/L		97
53) Dibromomethane	6.215	93	89311	28.105	ug/L		87
54) 1,2-Dichloropropane	6.311	63	239075	31.859	ug/L		99
56) 2-Chloroethyl vinyl ether	7.010	63	12985	26.571	ug/L	#	88
57) Bromodichloromethane	6.384	83	345428	30.675	ug/L		100
60) 1,4-Dioxane	6.590	88	30078	573.408	ug/L	#	78
61) cis-1,3-Dichloropropene	7.069	75	363252	33.032	ug/L	#	90
64) Toluene	7.335	92	603359	31.184	ug/L		98
65) 4-Methyl-2-pentanone	7.777	58	50126	31.471	ug/L		88
66) Tetrachloroethene	7.777	166	290448	31.802	ug/L		94
68) trans-1,3-Dichloropropene	7.813	75	305628	28.748	ug/L		91
70) Ethyl methacrylate	8.020	69	210599	30.775	ug/L		99
71) 1,1,2-Trichloroethane	7.998	83	141765	31.956	ug/L		98
72) Chlorodibromomethane	8.196	129	166518	32.555	ug/L		98
73) 1,3-Dichloropropane	8.314	76	295481	32.266	ug/L		100
74) 1,2-Dibromoethane	8.473	107	179697	32.443	ug/L		100
76) 2-Hexanone	8.782	43	101296	30.862	ug/L		94
77) Chlorobenzene	9.123	112	686490	30.759	ug/L		92
78) Ethylbenzene	9.179	91	1224479	31.378	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.210	131	240755	31.417	ug/L		97
80) p/m Xylene	9.361	106	967781	62.906	ug/L		98
81) o Xylene	9.908	106	919706	62.506	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N10.D
Acq On : 28 Jan 2022 09:32 pm
Operator : VOA122:PD
Sample : I8260STD30PPB
Misc : WG1600684,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 02 12:27:15 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82)	Styrene	9.980	104	1542673	63.542	ug/L	97
84)	Bromoform	9.988	173	134048	28.749	ug/L	99
86)	Isopropylbenzene	10.321	105	1290772	31.879	ug/L	99
88)	Bromobenzene	10.765	156	294828	30.944	ug/L	100
89)	n-Propylbenzene	10.820	91	1515371	32.340	ug/L	99
90)	1,4-Dichlorobutane	10.836	55	306306	30.245	ug/L	99
91)	1,1,2,2-Tetrachloroethane	10.907	83	192882	30.311	ug/L	99
92)	4-Ethyltoluene	10.955	105	1258296	32.135	ug/L	100
93)	2-Chlorotoluene	10.987	91	1003504	31.391	ug/L	99
94)	1,3,5-Trimethylbenzene	11.066	105	1022601	31.072	ug/L	99
95)	1,2,3-Trichloropropane	11.050	75	156516	29.964	ug/L	100
96)	trans-1,4-Dichloro-2-b...	11.114	53	60859	30.280	ug/L	87
97)	4-Chlorotoluene	11.185	91	897763	31.393	ug/L	99
98)	tert-Butylbenzene	11.414	119	737867	31.558	ug/L	98
101)	1,2,4-Trimethylbenzene	11.498	105	1002050	30.985	ug/L	98
102)	sec-Butylbenzene	11.609	105	1341905	32.285	ug/L	99
103)	p-Isopropyltoluene	11.776	119	1148386	32.046	ug/L	97
104)	1,3-Dichlorobenzene	11.825	146	595830	31.104	ug/L	98
105)	1,4-Dichlorobenzene	11.922	146	595096	30.725	ug/L	98
106)	p-Diethylbenzene	12.159	119	659841	31.655	ug/L	98
107)	n-Butylbenzene	12.215	91	912782	31.619	ug/L	99
108)	1,2-Dichlorobenzene	12.354	146	541052	31.015	ug/L	97
109)	1,2,4,5-Tetramethylben...	12.966	119	967516	31.697	ug/L	99
110)	1,2-Dibromo-3-chloropr...	13.147	155	34941	32.148	ug/L	98
111)	1,3,5-Trichlorobenzene	13.182	180	358987	30.890	ug/L	96
112)	Hexachlorobutadiene	13.774	225	130356	31.816	ug/L	99
113)	1,2,4-Trichlorobenzene	13.788	180	313795	30.959	ug/L	98
114)	Naphthalene	14.080	128	702808	30.590	ug/L	100
115)	1,2,3-Trichlorobenzene	14.254	180	263531	30.250	ug/L	98

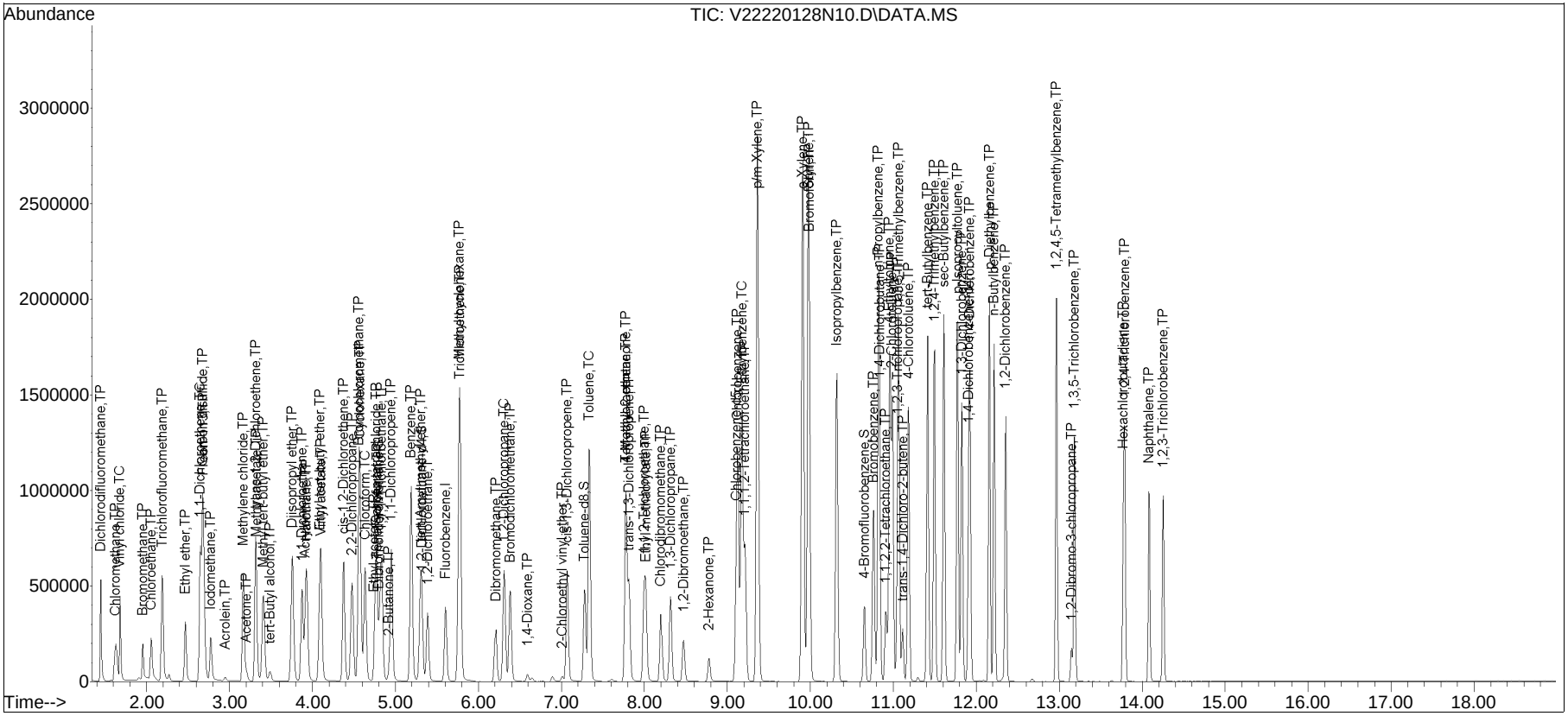
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N10.D
Acq On : 28 Jan 2022 09:32 pm
Operator : VOA122:PD
Sample : I8260STD30PPB
Misc : WG1600684,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 02 12:27:15 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox20128NICAL\V22220128N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2Q	Method	: V122_220128N_8260D.m
Data File	: V22220128N10.D	Operator	: VOA122:PD
Date Inj'd	: 1/28/2022 9:32 pm	Instrument	: VOA122
Sample	: I8260STD30PPB	Quant Date	: 2/2/2022 12:27 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N11.D
Acq On : 28 Jan 2022 09:56 pm
Operator : VOA122:PD
Sample : I8260STD80PPB
Misc : WG1600684,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 02 12:27:24 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.602	96	404959	10.000	ug/L	0.00
Standard Area 1 = 341437			Recovery = 118.60%			
62) Chlorobenzene-d5	9.107	117	300375	10.000	ug/L	0.00
Standard Area 1 = 290921			Recovery = 103.25%			
83) 1,4-Dichlorobenzene-d4	11.908	152	161305	10.000	ug/L	0.00
Standard Area 1 = 161831			Recovery = 99.67%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.802	113	112268	8.773	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.73%			
46) 1,2-Dichloroethane-d4	5.321	65	115972	9.240	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.40%			
63) Toluene-d8	7.276	98	380474	10.271	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.71%			
87) 4-Bromofluorobenzene	10.654	95	143116	9.825	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.25%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.449	85	829647	77.677	ug/L	97
3) Chloromethane	1.630	50	751167	74.615	ug/L	98
4) Vinyl chloride	1.679	62	786515	75.484	ug/L	100
5) Bromomethane	1.951	94	338185	83.113	ug/L	98
6) Chloroethane	2.056	64	483963	73.225	ug/L	99
7) Trichlorofluoromethane	2.188	101	1190544	77.277	ug/L	100
8) Ethyl ether	2.467	74	329400	79.194	ug/L #	1
10) 1,1-Dichloroethene	2.648	96	650578	76.086	ug/L	87
11) Carbon disulfide	2.676	76	1726497	75.222	ug/L	99
12) Freon-113	2.683	101	703443	79.502	ug/L	95
13) Iodomethane	2.774	142	774309	82.936	ug/L	92
14) Acrolein	2.948	56	39899	82.869	ug/L	97
15) Methylene chloride	3.164	84	677128	69.852	ug/L	86
17) Acetone	3.206	43	125791	81.712	ug/L	98
18) trans-1,2-Dichloroethene	3.317	96	708608	76.740	ug/L	92
19) Methyl acetate	3.324	43	291018	76.144	ug/L	94
21) Methyl tert-butyl ether	3.408	73	1462672	87.064	ug/L	95
22) tert-Butyl alcohol	3.492	59	166604	341.774	ug/L	97
24) Diisopropyl ether	3.757	45	1871937	88.021	ug/L	96
25) 1,1-Dichloroethane	3.875	63	1295812	75.574	ug/L	98
26) Halothane	3.931	117	601580	81.647	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N11.D
Acq On : 28 Jan 2022 09:56 pm
Operator : VOA122:PD
Sample : I8260STD80PPB
Misc : WG1600684,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 02 12:27:24 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.910	53	160489	74.832	ug/L		95
28) Ethyl tert-butyl ether	4.091	59	1751549	89.290	ug/L		97
29) Vinyl acetate	4.105	43	1047674	86.866	ug/L		94
30) cis-1,2-Dichloroethene	4.377	96	778405	74.751	ug/L		91
31) 2,2-Dichloropropane	4.475	77	1032556	80.251	ug/L		93
32) Bromochloromethane	4.558	128	337633	70.635	ug/L		90
33) Cyclohexane	4.572	56	1271533	83.506	ug/L		85
34) Chloroform	4.635	83	1292982	71.919	ug/L		97
35) Ethyl acetate	4.746	43	396199	72.244	ug/L		98
36) Carbon tetrachloride	4.767	117	1160069	87.456	ug/L		99
37) Tetrahydrofuran	4.781	42	142216	71.422	ug/L		95
39) 1,1,1-Trichloroethane	4.830	97	1235542	81.853	ug/L		97
41) 2-Butanone	4.921	43	188665	81.674	ug/L		92
42) 1,1-Dichloropropene	4.949	75	1068838	89.352	ug/L		99
44) Benzene	5.189	78	2683998	85.462	ug/L		96
45) tert-Amyl methyl ether	5.307	73	1415218	85.621	ug/L		97
47) 1,2-Dichloroethane	5.388	62	861083	76.615	ug/L		99
50) Methyl cyclohexane	5.772	83	1219924	86.935	ug/L		87
51) Trichloroethene	5.779	95	786154	89.857	ug/L		96
53) Dibromomethane	6.215	93	241144	71.755	ug/L		88
54) 1,2-Dichloropropane	6.311	63	680201	85.711	ug/L		99
56) 2-Chloroethyl vinyl ether	7.011	63	40935	79.205	ug/L	#	87
57) Bromodichloromethane	6.384	83	980108	82.298	ug/L		100
60) 1,4-Dioxane	6.591	88	41727	752.192	ug/L	#	78
61) cis-1,3-Dichloropropene	7.069	75	1074840	92.421	ug/L	#	91
64) Toluene	7.335	92	1688160	86.964	ug/L		97
65) 4-Methyl-2-pentanone	7.769	58	139472	87.277	ug/L		90
66) Tetrachloroethene	7.777	166	819202	89.402	ug/L		94
68) trans-1,3-Dichloropropene	7.813	75	905864	83.677	ug/L		92
70) Ethyl methacrylate	8.020	69	568097	82.743	ug/L		95
71) 1,1,2-Trichloroethane	7.998	83	412082	92.585	ug/L		99
72) Chlorodibromomethane	8.197	129	481954	93.914	ug/L		98
73) 1,3-Dichloropropane	8.314	76	844501	91.917	ug/L		99
74) 1,2-Dibromoethane	8.473	107	515616	92.784	ug/L		100
76) 2-Hexanone	8.774	43	271087	82.323	ug/L		96
77) Chlorobenzene	9.131	112	1880654	83.987	ug/L		92
78) Ethylbenzene	9.179	91	3307943	84.489	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.210	131	712789	92.710	ug/L		97
80) p/m Xylene	9.361	106	2569955	166.500	ug/L		100
81) o Xylene	9.908	106	2465283	166.998	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N11.D
Acq On : 28 Jan 2022 09:56 pm
Operator : VOA122:PD
Sample : I8260STD80PPB
Misc : WG1600684,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 02 12:27:24 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	9.980	104	4075248	167.306	ug/L	96
84) Bromoform	9.988	173	397540	82.558	ug/L	98
86) Isopropylbenzene	10.321	105	3462030	85.754	ug/L	99
88) Bromobenzene	10.765	156	792215	83.391	ug/L	100
89) n-Propylbenzene	10.828	91	4016961	85.978	ug/L	100
90) 1,4-Dichlorobutane	10.828	55	834466	82.639	ug/L	98
91) 1,1,2,2-Tetrachloroethane	10.908	83	530493	83.611	ug/L	99
92) 4-Ethyltoluene	10.955	105	3355722	85.952	ug/L	100
93) 2-Chlorotoluene	10.987	91	2658576	83.407	ug/L	99
94) 1,3,5-Trimethylbenzene	11.066	105	2807213	85.548	ug/L	99
95) 1,2,3-Trichloropropane	11.050	75	433918	83.313	ug/L	100
96) trans-1,4-Dichloro-2-b...	11.114	53	176292	87.970	ug/L	88
97) 4-Chlorotoluene	11.185	91	2400009	84.169	ug/L	99
98) tert-Butylbenzene	11.414	119	2001103	85.837	ug/L	97
101) 1,2,4-Trimethylbenzene	11.498	105	2741629	85.023	ug/L	98
102) sec-Butylbenzene	11.609	105	3563400	85.985	ug/L	100
103) p-Isopropyltoluene	11.776	119	3067493	85.850	ug/L	98
104) 1,3-Dichlorobenzene	11.825	146	1595448	83.531	ug/L	98
105) 1,4-Dichlorobenzene	11.922	146	1581426	81.889	ug/L	99
106) p-Diethylbenzene	12.159	119	1796383	86.433	ug/L	98
107) n-Butylbenzene	12.215	91	2479312	86.136	ug/L	100
108) 1,2-Dichlorobenzene	12.354	146	1448379	83.270	ug/L	97
109) 1,2,4,5-Tetramethylben...	12.966	119	2589277	85.075	ug/L	98
110) 1,2-Dibromo-3-chloropr...	13.147	155	95929	88.520	ug/L	100
111) 1,3,5-Trichlorobenzene	13.182	180	980263	84.595	ug/L	96
112) Hexachlorobutadiene	13.774	225	355869	87.113	ug/L	99
113) 1,2,4-Trichlorobenzene	13.788	180	859334	85.029	ug/L	98
114) Naphthalene	14.080	128	1882711	82.187	ug/L	100
115) 1,2,3-Trichlorobenzene	14.254	180	710560	81.801	ug/L	98

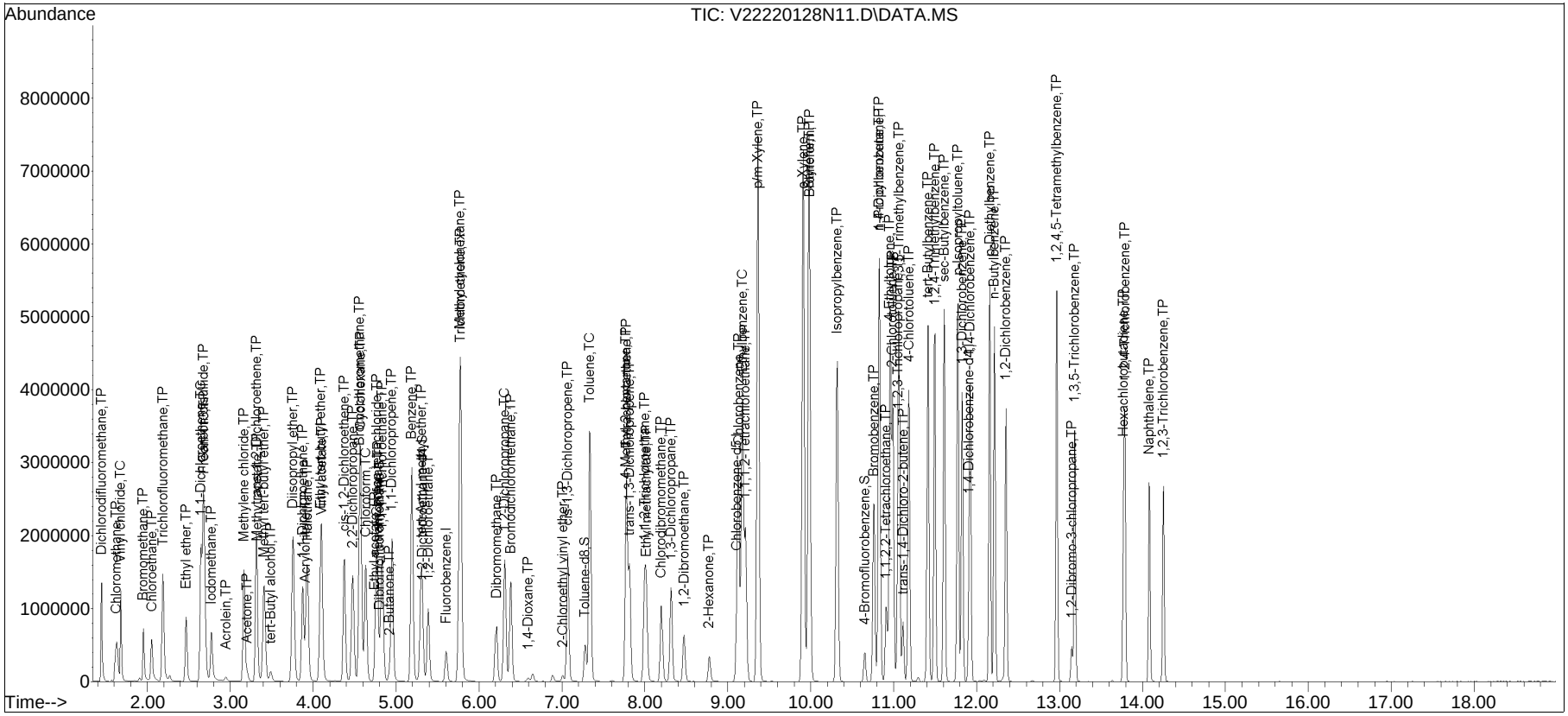
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N11.D
Acq On : 28 Jan 2022 09:56 pm
Operator : VOA122:PD
Sample : I8260STD80PPB
Misc : WG1600684,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 02 12:27:24 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox20128NICAL\V22220128N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2Q	Method	: V122_220128N_8260D.m
Data File	: V22220128N11.D	Operator	: VOA122:PD
Date Inj'd	: 1/28/2022 9:56 pm	Instrument	: VOA122
Sample	: I8260STD80PPB	Quant Date	: 2/2/2022 12:27 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N12.D
Acq On : 28 Jan 2022 10:20 pm
Operator : VOA122:PD
Sample : I8260STD120PPB
Misc : WG1600684,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 02 12:27:32 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.602	96	419602	10.000	ug/L	0.00
Standard Area 1 = 341437			Recovery = 122.89%			
62) Chlorobenzene-d5	9.107	117	312342	10.000	ug/L	0.00
Standard Area 1 = 290921			Recovery = 107.36%			
83) 1,4-Dichlorobenzene-d4	11.908	152	163604	10.000	ug/L	0.00
Standard Area 1 = 161831			Recovery = 101.10%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.802	113	114409	8.629	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.29%			
46) 1,2-Dichloroethane-d4	5.321	65	120505	9.266	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.66%			
63) Toluene-d8	7.283	98	392187	10.182	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.82%			
87) 4-Bromofluorobenzene	10.654	95	146163	9.893	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.93%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.449	85	1192684	107.770	ug/L	97
3) Chloromethane	1.630	50	1079634	103.500	ug/L	99
4) Vinyl chloride	1.679	62	1146358	106.180	ug/L	100
5) Bromomethane	1.951	94	561360	133.147	ug/L	99
6) Chloroethane	2.049	64	697592	101.864	ug/L	99
7) Trichlorofluoromethane	2.188	101	1720792	107.797	ug/L	100
8) Ethyl ether	2.467	74	493430	114.490	ug/L #	1
10) 1,1-Dichloroethene	2.648	96	944686	106.627	ug/L	87
11) Carbon disulfide	2.676	76	2498762	105.070	ug/L	99
12) Freon-113	2.683	101	1016254	110.847	ug/L	95
13) Iodomethane	2.774	142	1148017	118.531	ug/L	94
14) Acrolein	2.941	56	60318	120.907	ug/L	96
15) Methylene chloride	3.164	84	1002676	99.826	ug/L	86
17) Acetone	3.206	43	188359	118.779	ug/L	99
18) trans-1,2-Dichloroethene	3.317	96	1035720	108.252	ug/L	92
19) Methyl acetate	3.324	43	434453	109.706	ug/L	94
21) Methyl tert-butyl ether	3.408	73	2238178	128.576	ug/L	95
22) tert-Butyl alcohol	3.492	59	260071	514.896	ug/L	96
24) Diisopropyl ether	3.756	45	2874621	130.452	ug/L	96
25) 1,1-Dichloroethane	3.875	63	1900898	106.995	ug/L	99
26) Halothane	3.931	117	886399	116.105	ug/L	99

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N12.D
Acq On : 28 Jan 2022 10:20 pm
Operator : VOA122:PD
Sample : I8260STD120PPB
Misc : WG1600684,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 02 12:27:32 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.917	53	241144	108.515	ug/L		96
28) Ethyl tert-butyl ether	4.091	59	2695783	132.629	ug/L		98
29) Vinyl acetate	4.105	43	1660792	132.897	ug/L		95
30) cis-1,2-Dichloroethene	4.377	96	1139223	105.583	ug/L		90
31) 2,2-Dichloropropane	4.474	77	1530544	114.803	ug/L		93
32) Bromochloromethane	4.558	128	494285	99.799	ug/L		90
33) Cyclohexane	4.572	56	1834943	116.302	ug/L		85
34) Chloroform	4.635	83	1900423	102.017	ug/L		97
35) Ethyl acetate	4.746	43	598568	105.336	ug/L		98
36) Carbon tetrachloride	4.767	117	1690391	122.989	ug/L		99
37) Tetrahydrofuran	4.781	42	213019	103.247	ug/L		95
39) 1,1,1-Trichloroethane	4.830	97	1790138	114.456	ug/L		97
41) 2-Butanone	4.921	43	282471	118.016	ug/L	#	53
42) 1,1-Dichloropropene	4.955	75	1557045	125.623	ug/L		99
44) Benzene	5.188	78	3958774	121.654	ug/L		96
45) tert-Amyl methyl ether	5.307	73	2201322	128.533	ug/L		97
47) 1,2-Dichloroethane	5.388	62	1290572	110.821	ug/L		99
50) Methyl cyclohexane	5.772	83	1810084	124.490	ug/L		87
51) Trichloroethene	5.779	95	1150763	126.942	ug/L		96
53) Dibromomethane	6.215	93	360583	103.551	ug/L		87
54) 1,2-Dichloropropane	6.311	63	1015547	123.501	ug/L		99
56) 2-Chloroethyl vinyl ether	7.010	63	64675	120.772	ug/L		91
57) Bromodichloromethane	6.384	83	1466973	118.881	ug/L		100
60) 1,4-Dioxane	6.590	88	64568	1123.317	ug/L	#	79
61) cis-1,3-Dichloropropene	7.069	75	1615911	134.096	ug/L	#	90
64) Toluene	7.335	92	2509405	124.317	ug/L		96
65) 4-Methyl-2-pentanone	7.777	58	210682	126.787	ug/L		90
66) Tetrachloroethene	7.777	166	1217150	127.742	ug/L		94
68) trans-1,3-Dichloropropene	7.813	75	1374456	121.106	ug/L		92
70) Ethyl methacrylate	8.020	69	847443	118.701	ug/L		94
71) 1,1,2-Trichloroethane	7.998	83	626794	135.431	ug/L		98
72) Chlorodibromomethane	8.196	129	723359	135.553	ug/L		98
73) 1,3-Dichloropropane	8.314	76	1286315	134.640	ug/L		99
74) 1,2-Dibromoethane	8.473	107	777966	134.630	ug/L		99
76) 2-Hexanone	8.774	43	376122	109.843	ug/L		96
77) Chlorobenzene	9.131	112	2810346	120.698	ug/L		92
78) Ethylbenzene	9.179	91	4835266	118.768	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.210	131	1082032	135.344	ug/L		97
80) p/m Xylene	9.361	106	3730569	232.432	ug/L		98
81) o Xylene	9.908	106	3582453	233.377	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N12.D
Acq On : 28 Jan 2022 10:20 pm
Operator : VOA122:PD
Sample : I8260STD120PPB
Misc : WG1600684,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 02 12:27:32 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	9.980	104	5917731	233.640	ug/L	96
84) Bromoform	9.988	173	606040	121.547	ug/L	99
86) Isopropylbenzene	10.321	105	5032764	122.908	ug/L	100
88) Bromobenzene	10.765	156	1187244	123.216	ug/L	99
89) n-Propylbenzene	10.828	91	5737403	121.076	ug/L	99
90) 1,4-Dichlorobutane	10.836	55	1255461	122.584	ug/L	98
91) 1,1,2,2-Tetrachloroethane	10.907	83	805209	125.126	ug/L	99
92) 4-Ethyltoluene	10.963	105	4836133	122.129	ug/L	99
93) 2-Chlorotoluene	10.987	91	3895368	120.491	ug/L	99
94) 1,3,5-Trimethylbenzene	11.066	105	4117222	123.706	ug/L	100
95) 1,2,3-Trichloropropane	11.050	75	653519	123.714	ug/L	100
96) trans-1,4-Dichloro-2-b...	11.114	53	258250	127.057	ug/L	92
97) 4-Chlorotoluene	11.185	91	3491379	120.723	ug/L	99
98) tert-Butylbenzene	11.414	119	2938990	124.296	ug/L	97
101) 1,2,4-Trimethylbenzene	11.498	105	4044807	123.675	ug/L	99
102) sec-Butylbenzene	11.609	105	5128448	122.010	ug/L	99
103) p-Isopropyltoluene	11.776	119	4468603	123.305	ug/L	98
104) 1,3-Dichlorobenzene	11.825	146	2345985	121.099	ug/L	98
105) 1,4-Dichlorobenzene	11.922	146	2331320	119.024	ug/L	99
106) p-Diethylbenzene	12.159	119	2636423	125.068	ug/L	98
107) n-Butylbenzene	12.215	91	3617549	123.914	ug/L	100
108) 1,2-Dichlorobenzene	12.354	146	2144004	121.531	ug/L	97
109) 1,2,4,5-Tetramethylben...	12.966	119	3819151	123.722	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.147	155	144792	131.731	ug/L	100
111) 1,3,5-Trichlorobenzene	13.182	180	1439579	122.488	ug/L	95
112) Hexachlorobutadiene	13.774	225	529290	127.743	ug/L	99
113) 1,2,4-Trichlorobenzene	13.788	180	1286838	125.540	ug/L	97
114) Naphthalene	14.080	128	2812331	121.043	ug/L	100
115) 1,2,3-Trichlorobenzene	14.254	180	1071941	121.670	ug/L	98

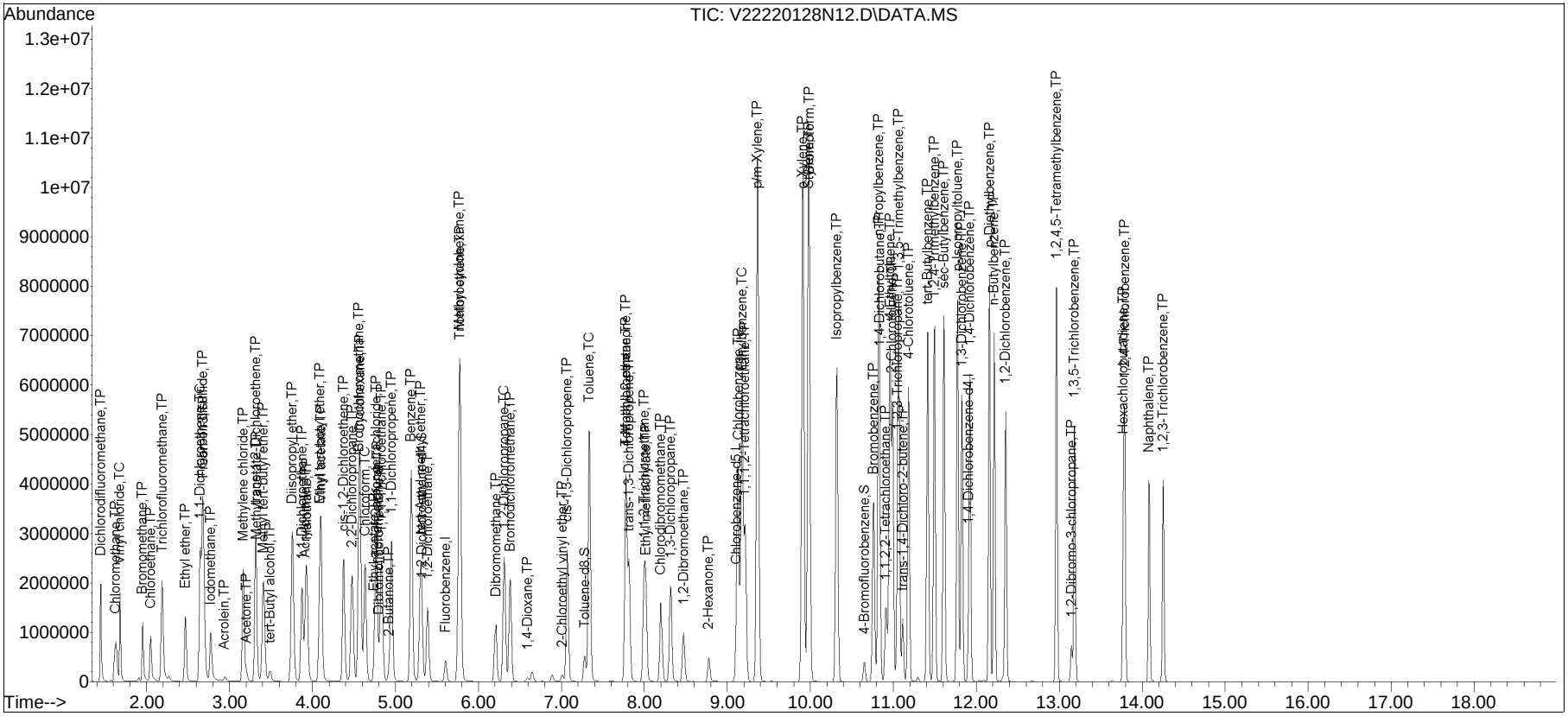
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N12.D
Acq On : 28 Jan 2022 10:20 pm
Operator : VOA122:PD
Sample : I8260STD120PPB
Misc : WG1600684,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 02 12:27:32 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox20128NICAL\V22220128N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2	QMethod	: V122_220128N_8260D.m
Data File	: V22220128N12.D	Operator	: VOA122:PD
Date Inj'd	: 1/28/2022 10:20 pm	Instrument	: VOA122
Sample	: I8260STD120PPB	Quant Date	: 2/2/2022 12:27 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N13.D
Acq On : 28 Jan 2022 10:44 pm
Operator : VOA122:PD
Sample : I8260STD200PPB
Misc : WG1600684,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 02 12:27:39 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.602	96	428699	10.000	ug/L	0.00
Standard Area 1 = 341437			Recovery = 125.56%			
62) Chlorobenzene-d5	9.107	117	320711	10.000	ug/L	0.00
Standard Area 1 = 290921			Recovery = 110.24%			
83) 1,4-Dichlorobenzene-d4	11.908	152	166856	10.000	ug/L	0.00
Standard Area 1 = 161831			Recovery = 103.11%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.802	113	116022	8.565	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.65%			
46) 1,2-Dichloroethane-d4	5.322	65	125321	9.432	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.32%			
63) Toluene-d8	7.283	98	403430	10.200	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.00%			
87) 4-Bromofluorobenzene	10.654	95	147975	9.820	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.449	85	1903011	168.306	ug/L	97
3) Chloromethane	1.631	50	1793626	168.299	ug/L	99
4) Vinyl chloride	1.679	62	1907313	172.914	ug/L	100
5) Bromomethane	1.951	94	1047694	243.225	ug/L	98
6) Chloroethane	2.049	64	1149169	164.243	ug/L	100
7) Trichlorofluoromethane	2.188	101	2817621	172.762	ug/L	99
8) Ethyl ether	2.467	74	841977	191.218	ug/L #	1
10) 1,1-Dichloroethene	2.648	96	1574621	173.957	ug/L	88
11) Carbon disulfide	2.669	76	4177052	171.912	ug/L	98
12) Freon-113	2.683	101	1659476	177.165	ug/L	95
13) Iodomethane	2.774	142	1967158	199.853	ug/L	91
14) Acrolein	2.941	56	104656	205.330	ug/L	99
15) Methylene chloride	3.164	84	1688610	164.550	ug/L	87
17) Acetone	3.206	43	321160	199.267	ug/L	98
18) trans-1,2-Dichloroethene	3.317	96	1742732	178.282	ug/L	92
19) Methyl acetate	3.324	43	746668	184.545	ug/L	94
21) Methyl tert-butyl ether	3.408	73	3865211	217.332	ug/L	94
22) tert-Butyl alcohol	3.492	59	480660	931.431	ug/L	97
24) Diisopropyl ether	3.757	45	4919078	218.494	ug/L	96
25) 1,1-Dichloroethane	3.875	63	3197169	176.138	ug/L	99
26) Halothane	3.931	117	1498998	192.180	ug/L	99

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N13.D
Acq On : 28 Jan 2022 10:44 pm
Operator : VOA122:PD
Sample : I8260STD200PPB
Misc : WG1600684,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 02 12:27:39 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.917	53	411487	181.241	ug/L		97
28) Ethyl tert-butyl ether	4.098	59	4649968	223.918	ug/L		97
29) Vinyl acetate	4.105	43	3001981	235.121	ug/L		95
30) cis-1,2-Dichloroethene	4.377	96	1913693	173.597	ug/L		91
31) 2,2-Dichloropropane	4.475	77	2605127	191.259	ug/L		93
32) Bromochloromethane	4.558	128	816137	161.286	ug/L		91
33) Cyclohexane	4.572	56	2980958	184.929	ug/L		85
34) Chloroform	4.635	83	3193505	167.794	ug/L		97
35) Ethyl acetate	4.747	43	1035701	178.395	ug/L		98
36) Carbon tetrachloride	4.767	117	2832472	201.711	ug/L		99
37) Tetrahydrofuran	4.781	42	365233	173.266	ug/L		95
39) 1,1,1-Trichloroethane	4.830	97	2995934	187.486	ug/L		97
41) 2-Butanone	4.921	43	483195	197.594	ug/L	#	53
42) 1,1-Dichloropropene	4.956	75	2606222	205.809	ug/L		99
44) Benzene	5.189	78	6592704	198.296	ug/L		95
45) tert-Amyl methyl ether	5.307	73	3857034	220.430	ug/L		97
47) 1,2-Dichloroethane	5.388	62	2162137	181.723	ug/L		99
50) Methyl cyclohexane	5.772	83	2980751	200.654	ug/L		88
51) Trichloroethene	5.779	95	1925354	207.880	ug/L		96
53) Dibromomethane	6.215	93	606593	170.502	ug/L		87
54) 1,2-Dichloropropane	6.311	63	1721026	204.854	ug/L		99
56) 2-Chloroethyl vinyl ether	7.011	63	108590	198.474	ug/L		92
57) Bromodichloromethane	6.384	83	2489083	197.431	ug/L		100
60) 1,4-Dioxane	6.598	88	102798	1750.471	ug/L	#	80
61) cis-1,3-Dichloropropene	7.069	75	2745975	223.039	ug/L	#	91
64) Toluene	7.335	92	4271926	206.111	ug/L		94
65) 4-Methyl-2-pentanone	7.777	58	362362	212.376	ug/L		91
66) Tetrachloroethene	7.777	166	2062257	210.790	ug/L		94
68) trans-1,3-Dichloropropene	7.814	75	2346673	198.194	ug/L		92
70) Ethyl methacrylate	8.020	69	1442637	196.797	ug/L		93
71) 1,1,2-Trichloroethane	7.998	83	1076724	226.575	ug/L		99
72) Chlorodibromomethane	8.197	129	1223267	223.251	ug/L		98
73) 1,3-Dichloropropane	8.314	76	2184501	222.688	ug/L		99
74) 1,2-Dibromoethane	8.473	107	1328286	223.866	ug/L		99
76) 2-Hexanone	8.774	43	615710	175.120	ug/L		95
77) Chlorobenzene	9.131	112	4731207	197.892	ug/L		92
78) Ethylbenzene	9.179	91	7954333	190.282	ug/L		98
79) 1,1,1,2-Tetrachloroethane	9.219	131	1860792	226.680	ug/L		97
80) p/m Xylene	9.369	106	6160481	373.811	ug/L		94
81) o Xylene	9.916	106	5940708	376.905	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N13.D
Acq On : 28 Jan 2022 10:44 pm
Operator : VOA122:PD
Sample : I8260STD200PPB
Misc : WG1600684,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 02 12:27:39 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	9.980	104	9504852	365.472	ug/L	93
84) Bromoform	9.996	173	1048366	198.428	ug/L	99
86) Isopropylbenzene	10.321	105	8163998	195.493	ug/L	98
88) Bromobenzene	10.765	156	1990162	202.520	ug/L	100
89) n-Propylbenzene	10.828	91	9112013	188.542	ug/L	97
90) 1,4-Dichlorobutane	10.836	55	2121927	203.148	ug/L	98
91) 1,1,2,2-Tetrachloroethane	10.916	83	1379566	210.200	ug/L	100
92) 4-Ethyltoluene	10.963	105	7818758	193.603	ug/L	97
93) 2-Chlorotoluene	10.995	91	6396376	193.996	ug/L	100
94) 1,3,5-Trimethylbenzene	11.066	105	6725419	198.134	ug/L	99
95) 1,2,3-Trichloropropane	11.050	75	1122922	208.431	ug/L	100
96) trans-1,4-Dichloro-2-b...	11.114	53	450042	217.102	ug/L	92
97) 4-Chlorotoluene	11.185	91	5726410	194.145	ug/L	100
98) tert-Butylbenzene	11.414	119	4945463	205.078	ug/L	97
101) 1,2,4-Trimethylbenzene	11.498	105	6589480	197.554	ug/L	99
102) sec-Butylbenzene	11.609	105	8111836	189.226	ug/L	98
103) p-Isopropyltoluene	11.776	119	7145888	193.338	ug/L	96
104) 1,3-Dichlorobenzene	11.825	146	3858223	195.279	ug/L	97
105) 1,4-Dichlorobenzene	11.922	146	3852499	192.854	ug/L	98
106) p-Diethylbenzene	12.159	119	4349407	202.309	ug/L	98
107) n-Butylbenzene	12.215	91	5815339	195.314	ug/L	98
108) 1,2-Dichlorobenzene	12.354	146	3521013	195.696	ug/L	98
109) 1,2,4,5-Tetramethylben...	12.966	119	6114493	194.219	ug/L	98
110) 1,2-Dibromo-3-chloropr...	13.147	155	248404	221.592	ug/L	99
111) 1,3,5-Trichlorobenzene	13.189	180	2404016	200.562	ug/L	96
112) Hexachlorobutadiene	13.774	225	876640	207.452	ug/L	99
113) 1,2,4-Trichlorobenzene	13.788	180	2147411	205.413	ug/L	98
114) Naphthalene	14.080	128	4660814	196.693	ug/L	100
115) 1,2,3-Trichlorobenzene	14.254	180	1800979	200.435	ug/L	98

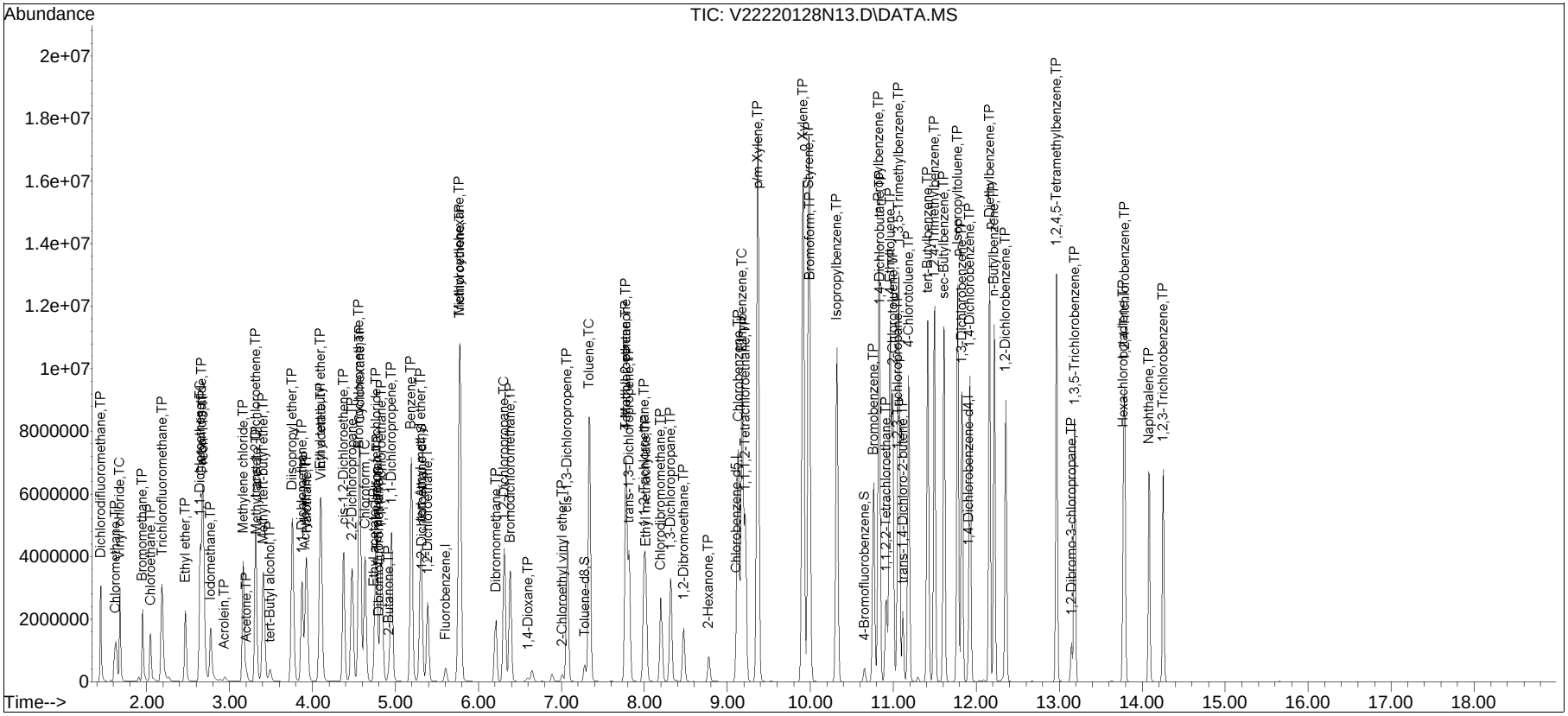
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N13.D
Acq On : 28 Jan 2022 10:44 pm
Operator : VOA122:PD
Sample : I8260STD200PPB
Misc : WG1600684,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 02 12:27:39 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 02 12:24:44 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox20128NICAL\V22220128N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2	QMethod	: V122_220128N_8260D.m
Data File	: V22220128N13.D	Operator	: VOA122:PD
Date Inj'd	: 1/28/2022 10:44 pm	Instrument	: VOA122
Sample	: I8260STD200PPB	Quant Date	: 2/2/2022 12:27 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N18.D
Acq On : 29 Jan 2022 12:47 am
Operator : VOA122:PD
Sample : C8260STD10PPB
Misc : WG1600684,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 03 20:18:02 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene		1.000	1.000	0.0	106	0.00
2	TP	Dichlorodifluoromethane		0.264	0.221	16.3	73	0.00
3	TP	Chloromethane		0.249	0.249	0.0	92	0.00
4	TC	Vinyl chloride		0.257	0.266	-3.5	95	0.00
5	TP	Bromomethane		0.100	0.080	20.0#	113	0.00
6	TP	Chloroethane		0.163	0.175	-7.4	99	0.00
7	TP	Trichlorofluoromethane		0.380	0.435	-14.5	101	0.00
8	TP	Ethyl ether		0.103	0.113	-9.7	109	0.00
10	TC	1,1-Dichloroethene		0.211	0.223	-5.7	94	0.00
11	TP	Carbon disulfide		0.567	0.609	-7.4	99	0.00
12	TP	Freon-113		0.218	0.251	-15.1	99	0.00
13	TP	Iodomethane	*	10.000	7.028	29.7#	73	0.00
14	TP	Acrolein		0.012	0.020	-66.7#	164	0.00
15	TP	Methylene chloride		0.239	0.244	-2.1	99	0.00
17	TP	Acetone	*	10.000	10.835	-8.4	113	0.00
18	TP	trans-1,2-Dichloroethene		0.228	0.251	-10.1	99	0.00
19	TP	Methyl acetate		0.094	0.103	-9.6	107	0.00
21	TP	Methyl tert-butyl ether		0.415	0.441	-6.3	107	0.00
22	TP	tert-Butyl alcohol		0.012	0.014	-16.7	120	0.00
24	TP	Diisopropyl ether		0.525	0.525	0.0	105	0.00
25	TP	1,1-Dichloroethane		0.423	0.457	-8.0	99	0.00
26	TP	Halothane		0.182	0.206	-13.2	104	0.00
27	TP	Acrylonitrile		0.053	0.056	-5.7	104	0.00
28	TP	Ethyl tert-butyl ether		0.484	0.498	-2.9	110	0.00
29	TP	Vinyl acetate		0.298	0.288	3.4	117	0.00
30	TP	cis-1,2-Dichloroethene		0.257	0.267	-3.9	98	0.00
31	TP	2,2-Dichloropropane		0.318	0.345	-8.5	99	0.00
32	TP	Bromochloromethane		0.118	0.124	-5.1	100	0.00
33	TP	Cyclohexane		0.376	0.407	-8.2	95	0.00
34	TC	Chloroform		0.444	0.455	-2.5	101	0.00
35	TP	Ethyl acetate		0.135	0.138	-2.2	114	0.00
36	TP	Carbon tetrachloride		0.328	0.380	-15.9	101	0.00
37	TP	Tetrahydrofuran		0.049	0.054	-10.2	107	0.00
38	S	Dibromofluoromethane		0.316	0.313	0.9	101	0.00
39	TP	1,1,1-Trichloroethane		0.373	0.435	-16.6	103	0.00
41	TP	2-Butanone		0.057	0.058	-1.8	106	0.00
42	TP	1,1-Dichloropropene		0.295	0.331	-12.2	106	0.00
44	TP	Benzene		0.776	0.844	-8.8	103	0.00
45	TP	tert-Amyl methyl ether		0.408	0.407	0.2	107	0.00

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N18.D
Acq On : 29 Jan 2022 12:47 am
Operator : VOA122:PD
Sample : C8260STD10PPB
Misc : WG1600684,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 03 20:18:02 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	S	1,2-Dichloroethane-d4	0.310	0.318	-2.6	106	0.00
47	T	1,2-Dichloroethane	0.278	0.294	-5.8	104	0.00
50	TP	Methyl cyclohexane	0.347	0.357	-2.9	99	0.00
51	TP	Trichloroethene	0.216	0.250	-15.7	109	0.00
53	TP	Dibromomethane	0.083	0.086	-3.6	107	0.00
54	TC	1,2-Dichloropropane	0.196	0.208	-6.1	104	0.00
56	TP	2-Chloroethyl vinyl ether	0.013	0.015	-15.4	111	0.00
57	TP	Bromodichloromethane	0.294	0.298#	-1.4	101	0.00
60	TP	1,4-Dioxane	0.00137	0.00146#	-6.6	108	0.00
61	TP	cis-1,3-Dichloropropene	0.287	0.314	-9.4	108	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
63	S	Toluene-d8	1.233	1.231	0.2	103	0.00
64	TC	Toluene	0.646	0.675	-4.5	100	0.00
65	TP	4-Methyl-2-pentanone	0.053	0.055	-3.8	107	0.00
66	TP	Tetrachloroethene	0.305	0.317	-3.9	99	0.00
68	TP	trans-1,3-Dichloropropene	* 10.000	9.216	7.8	108	0.00
70	TP	Ethyl methacrylate	0.229	0.229	0.0	99	0.00
71	TP	1,1,2-Trichloroethane	0.148	0.147#	0.7	105	0.00
72	TP	Chlorodibromomethane	0.171	0.173#	-1.2	106	0.00
73	TP	1,3-Dichloropropane	0.306	0.311	-1.6	107	0.00
74	TP	1,2-Dibromoethane	0.185	0.190#	-2.7	107	0.00
76	TP	2-Hexanone	0.110	0.104	5.5	96	0.00
77	TP	Chlorobenzene	0.745	0.785	-5.4	102	0.00
78	TC	Ethylbenzene	1.303	1.388	-6.5	100	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.256	0.254	0.8	103	0.00
80	TP	p/m Xylene	0.514	0.554	-7.8	99	0.00
81	TP	o Xylene	0.491	0.534	-8.8	103	0.00
82	TP	Styrene	0.811	0.873	-7.6	100	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
84	TP	Bromoform	* 10.000	9.114	8.9	106	0.00
86	TP	Isopropylbenzene	2.503	2.646	-5.7	99	0.00
87	S	4-Bromofluorobenzene	0.903	0.898	0.6	102	0.00
88	TP	Bromobenzene	0.589	0.608	-3.2	102	0.00
89	TP	n-Propylbenzene	2.896	3.090	-6.7	99	0.00
90	TP	1,4-Dichlorobutane	0.626	0.601	4.0	102	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.393	0.379	3.6	102	0.00
92	TP	4-Ethyltoluene	2.420	2.615	-8.1	101	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N18.D
Acq On : 29 Jan 2022 12:47 am
Operator : VOA122:PD
Sample : C8260STD10PPB
Misc : WG1600684,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 03 20:18:02 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
93 TP	2-Chlorotoluene	1.976	2.061	-4.3	100	0.00
94 TP	1,3,5-Trimethylbenzene	2.034	2.074	-2.0	98	0.00
95 TP	1,2,3-Trichloropropane	0.323	0.322	0.3	103	0.00
96 TP	trans-1,4-Dichloro-2-butene	0.124	0.115	7.3	102	0.00
97 TP	4-Chlorotoluene	1.768	1.848	-4.5	100	0.00
98 TP	tert-Butylbenzene	1.445	1.515	-4.8	102	0.00
101 TP	1,2,4-Trimethylbenzene	1.999	2.116	-5.9	102	0.00
102 TP	sec-Butylbenzene	2.569	2.706	-5.3	97	0.00
103 TP	p-Isopropyltoluene	2.215	2.342	-5.7	99	0.00
104 TP	1,3-Dichlorobenzene	1.184	1.240	-4.7	103	0.00
105 TP	1,4-Dichlorobenzene	1.197	1.254	-4.8	103	0.00
106 TP	p-Diethylbenzene	1.288	1.289	-0.1	96	0.00
107 TP	n-Butylbenzene	1.784	1.949	-9.2	103	0.00
108 TP	1,2-Dichlorobenzene	1.078	1.129	-4.7	102	0.00
109 TP	1,2,4,5-Tetramethylbenzene	1.887	1.957	-3.7	99	0.00
110 TP	1,2-Dibromo-3-chloropropane	0.067	0.069	-3.0	108	0.00
111 TP	1,3,5-Trichlorobenzene	0.718	0.748	-4.2	103	0.00
112 TP	Hexachlorobutadiene	0.253	0.254	-0.4	97	0.00
113 TP	1,2,4-Trichlorobenzene	0.627	0.640	-2.1	104	0.00
114 TP	Naphthalene	1.420	1.497	-5.4	109	0.00
115 TP	1,2,3-Trichlorobenzene	0.539	0.555	-3.0	107	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N18.D
Acq On : 29 Jan 2022 12:47 am
Operator : VOA122:PD
Sample : C8260STD10PPB
Misc : WG1600684,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 03 20:18:02 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.602	96	360778	10.000	ug/L	0.00
Standard Area 1 = 341437			Recovery = 105.66%			
62) Chlorobenzene-d5	9.107	117	298987	10.000	ug/L	0.00
Standard Area 1 = 290921			Recovery = 102.77%			
83) 1,4-Dichlorobenzene-d4	11.908	152	165761	10.000	ug/L	0.00
Standard Area 1 = 161831			Recovery = 102.43%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.809	113	112778	9.893	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.93%			
46) 1,2-Dichloroethane-d4	5.321	65	114892	10.274	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.74%			
63) Toluene-d8	7.283	98	367954	9.979	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.79%			
87) 4-Bromofluorobenzene	10.654	95	148880	9.945	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.45%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.449	85	79646	8.370	ug/L	97
3) Chloromethane	1.630	50	89710	10.002	ug/L	99
4) Vinyl chloride	1.679	62	95888	10.330	ug/L	100
5) Bromomethane	1.951	94	28686	7.913	ug/L	99
6) Chloroethane	2.049	64	63264	10.744	ug/L	100
7) Trichlorofluoromethane	2.188	101	156848	11.428	ug/L	100
8) Ethyl ether	2.467	74	40703	10.984	ug/L #	1
10) 1,1-Dichloroethene	2.648	96	80322	10.544	ug/L	85
11) Carbon disulfide	2.676	76	219593	10.739	ug/L	99
12) Freon-113	2.683	101	90468	11.477	ug/L	95
13) Iodomethane	2.774	142	46416	7.028	ug/L	90
14) Acrolein	2.948	56	7241	16.881	ug/L	87
15) Methylene chloride	3.164	84	87966	10.186	ug/L	85
17) Acetone	3.206	43	16679	10.835	ug/L	96
18) trans-1,2-Dichloroethene	3.317	96	90580	11.011	ug/L	93
19) Methyl acetate	3.324	43	37085	10.891	ug/L	94
21) Methyl tert-butyl ether	3.408	73	159052	10.627	ug/L	94
22) tert-Butyl alcohol	3.492	59	25586	58.915	ug/L	97
24) Diisopropyl ether	3.756	45	189416	9.997	ug/L	96
25) 1,1-Dichloroethane	3.875	63	165048	10.805	ug/L	99
26) Halothane	3.931	117	74436	11.340	ug/L	99

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N18.D
Acq On : 29 Jan 2022 12:47 am
Operator : VOA122:PD
Sample : C8260STD10PPB
Misc : WG1600684,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 03 20:18:02 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	3.917	53	20226	10.586	ug/L		96
28) Ethyl tert-butyl ether	4.091	59	179718	10.284	ug/L		96
29) Vinyl acetate	4.105	43	103793	9.660	ug/L	#	93
30) cis-1,2-Dichloroethene	4.377	96	96243	10.374	ug/L		91
31) 2,2-Dichloropropane	4.474	77	124354	10.848	ug/L		92
32) Bromochloromethane	4.558	128	44634	10.481	ug/L		89
33) Cyclohexane	4.572	56	146832	10.824	ug/L		85
34) Chloroform	4.635	83	164300	10.258	ug/L		97
35) Ethyl acetate	4.746	43	49834	10.200	ug/L		97
36) Carbon tetrachloride	4.767	117	136964	11.590	ug/L		99
37) Tetrahydrofuran	4.781	42	19486	10.984	ug/L		91
39) 1,1,1-Trichloroethane	4.830	97	157040	11.678	ug/L		97
41) 2-Butanone	4.928	43	21097	10.251	ug/L		92
42) 1,1-Dichloropropene	4.948	75	119547	11.218	ug/L		98
44) Benzene	5.188	78	304416	10.880	ug/L		96
45) tert-Amyl methyl ether	5.307	73	146743	9.965	ug/L		97
47) 1,2-Dichloroethane	5.388	62	106244	10.611	ug/L		99
50) Methyl cyclohexane	5.772	83	128628	10.289	ug/L		88
51) Trichloroethene	5.779	95	90117	11.562	ug/L		95
53) Dibromomethane	6.215	93	31031	10.364	ug/L		86
54) 1,2-Dichloropropane	6.311	63	75217	10.639	ug/L		98
56) 2-Chloroethyl vinyl ether	7.010	63	5453	11.843	ug/L	#	88
57) Bromodichloromethane	6.384	83	107419	10.124	ug/L		99
60) 1,4-Dioxane	6.590	88	26268	531.508	ug/L	#	80
61) cis-1,3-Dichloropropene	7.069	75	113235	10.929	ug/L	#	90
64) Toluene	7.335	92	201670	10.437	ug/L		98
65) 4-Methyl-2-pentanone	7.777	58	16484	10.363	ug/L		84
66) Tetrachloroethene	7.777	166	94689	10.382	ug/L		94
68) trans-1,3-Dichloropropene	7.813	75	95271	9.216	ug/L		89
70) Ethyl methacrylate	8.020	69	68361	10.003	ug/L		99
71) 1,1,2-Trichloroethane	7.998	83	44021	9.936	ug/L		99
72) Chlorodibromomethane	8.196	129	51643	10.110	ug/L		98
73) 1,3-Dichloropropane	8.314	76	93121	10.182	ug/L		99
74) 1,2-Dibromoethane	8.473	107	56725	10.255	ug/L		99
76) 2-Hexanone	8.782	43	31119	9.494	ug/L		90
77) Chlorobenzene	9.131	112	234788	10.534	ug/L		92
78) Ethylbenzene	9.179	91	415032	10.650	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.210	131	75883	9.916	ug/L		96
80) p/m Xylene	9.361	106	331105	21.551	ug/L		97
81) o Xylene	9.908	106	319592	21.750	ug/L		97

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N18.D
Acq On : 29 Jan 2022 12:47 am
Operator : VOA122:PD
Sample : C8260STD10PPB
Misc : WG1600684,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 03 20:18:02 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220128NICAL\V22220128N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	9.980	104	522329	21.543	ug/L		97
84) Bromoform	9.988	173	41993	9.114	ug/L		100
86) Isopropylbenzene	10.321	105	438592	10.572	ug/L		99
88) Bromobenzene	10.765	156	100701	10.315	ug/L		100
89) n-Propylbenzene	10.820	91	512131	10.667	ug/L		99
90) 1,4-Dichlorobutane	10.836	55	99685	9.607	ug/L		98
91) 1,1,2,2-Tetrachloroethane	10.907	83	62777	9.628	ug/L		99
92) 4-Ethyltoluene	10.955	105	433466	10.804	ug/L		99
93) 2-Chlorotoluene	10.987	91	341568	10.428	ug/L		99
94) 1,3,5-Trimethylbenzene	11.066	105	343707	10.193	ug/L		98
95) 1,2,3-Trichloropropane	11.050	75	53410	9.979	ug/L		100
96) trans-1,4-Dichloro-2-b...	11.114	53	19042	9.247	ug/L	#	81
97) 4-Chlorotoluene	11.185	91	306352	10.455	ug/L		99
98) tert-Butylbenzene	11.414	119	251201	10.486	ug/L		99
101) 1,2,4-Trimethylbenzene	11.498	105	350750	10.585	ug/L		98
102) sec-Butylbenzene	11.609	105	448491	10.531	ug/L		98
103) p-Isopropyltoluene	11.776	119	388282	10.575	ug/L		98
104) 1,3-Dichlorobenzene	11.825	146	205509	10.470	ug/L		98
105) 1,4-Dichlorobenzene	11.922	146	207899	10.476	ug/L		98
106) p-Diethylbenzene	12.159	119	213724	10.007	ug/L		98
107) n-Butylbenzene	12.214	91	323076	10.923	ug/L		99
108) 1,2-Dichlorobenzene	12.354	146	187146	10.470	ug/L		98
109) 1,2,4,5-Tetramethylben...	12.966	119	324376	10.371	ug/L		98
110) 1,2-Dibromo-3-chloropr...	13.147	155	11386	10.224	ug/L		96
111) 1,3,5-Trichlorobenzene	13.182	180	124045	10.417	ug/L		96
112) Hexachlorobutadiene	13.774	225	42031	10.012	ug/L		98
113) 1,2,4-Trichlorobenzene	13.788	180	106139	10.220	ug/L		97
114) Naphthalene	14.087	128	248122	10.540	ug/L		100
115) 1,2,3-Trichlorobenzene	14.254	180	92013	10.308	ug/L		98

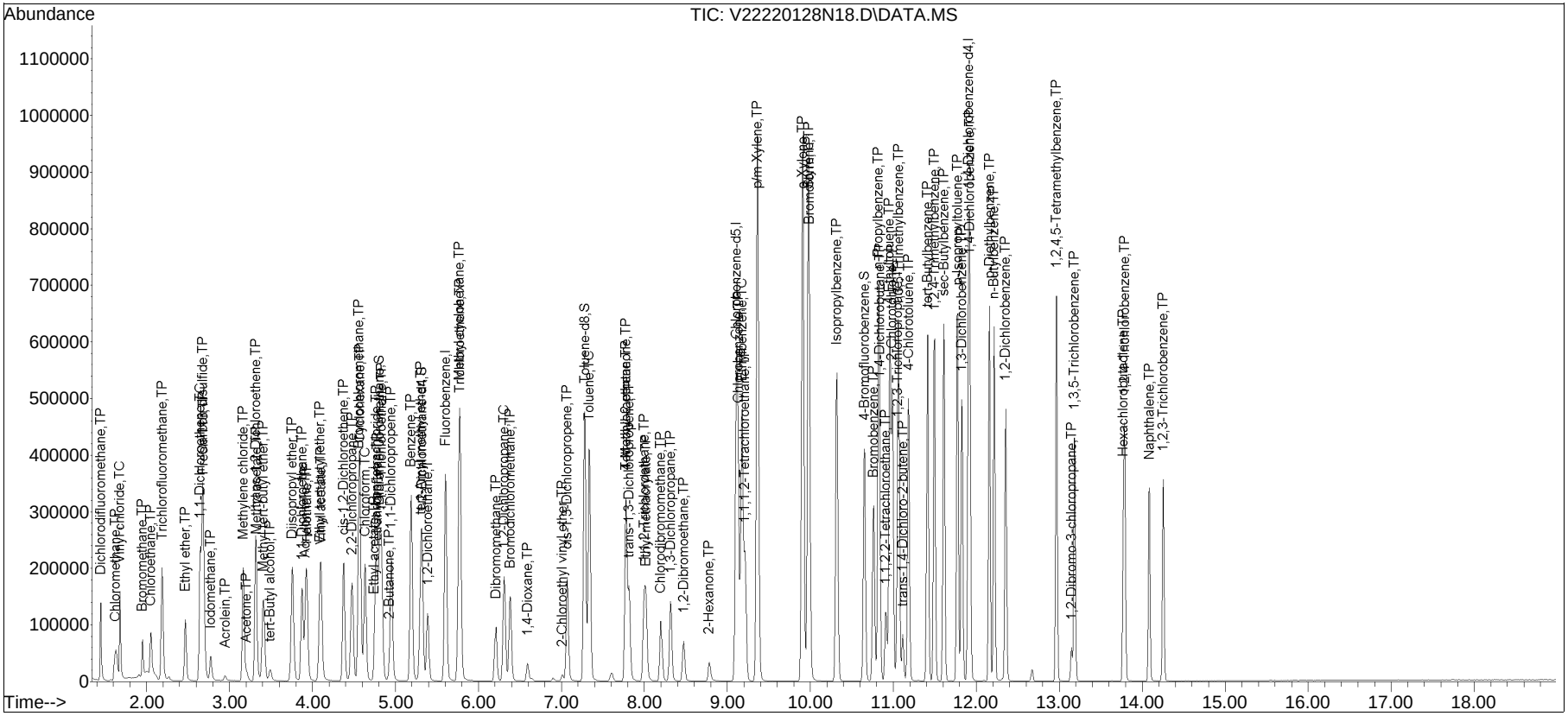
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220128NICAL\
Data File : V22220128N18.D
Acq On : 29 Jan 2022 12:47 am
Operator : VOA122:PD
Sample : C8260STD10PPB
Misc : WG1600684,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 03 20:18:02 2022
Quant Method : I:\VOLATILES\VOA122\2022\220128NICAL\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox20128NICAL\V22220128N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2	QMethod	: V122_220128N_8260D.m
Data File	: V22220128N18.D	Operator	: VOA122:PD
Date Inj'd	: 1/29/2022 12:47 am	Instrument	: VOA122
Sample	: C8260STD10PPB	Quant Date	: 2/3/2022 8:18 pm

There are no manual integrations or false positives in this file.

Correlation Data Summary

Method Path: I:\VOLATILES\VOA122\2022\220128NICAL\
Method File: V122_220128N_8260D.m
Method Title: VOLATILES BY GC/MS
Last Update: Thu Feb 03 20:15:42 2022

Analyte	Curve fit Type	Coefficient of Determination	Quadratic Term	Linear Term	Constant Term
Iodomethane	Quadratic	0.999501	-0.000312	0.237745	-0.038268
Acetone	Linear	0.999859	0	0.037304	0.005811
trans-1,3-Dichloropropene	Quadratic	0.998995	0.000538	0.358667	-0.012372
Bromoform	Quadratic	0.999182	0.001504	0.287279	-0.00973

Response Factor Report VOA 105

Method Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Method File : V105_220208N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Feb 09 11:34:23 2022
Response Via : Initial Calibration

Calibration Files
L11 =V05220208N04.d L1 =V05220208N06.d L2 =V05220208N08.d L3 =V05220208N09.d L4 =V05220208N10.d
L6 =V05220208N11.d L8 =V05220208N12.d L10 =V05220208N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.181	0.190	0.201	0.242	0.243	0.233	0.220	0.216	11.69
3)	TP	Chloromethane		0.358	0.397	0.367	0.389	0.379	0.373	0.364	0.375	3.71
4)	TC	Vinyl chloride	0.241	0.241	0.257	0.264	0.295	0.299	0.295	0.285	0.272	8.98
5)	TP	Bromomethane		0.128	0.138	0.110	0.126	0.140	0.148	0.149	0.134	10.52
6)	TP	Chloroethane		0.172	0.173	0.156	0.164	0.162	0.159	0.152	0.163	4.93
7)	TP	Trichlorofluor...		0.249	0.290	0.292	0.360	0.361	0.349	0.336	0.319	13.43
8)	TP	Ethyl ether		0.077	0.088	0.080	0.086	0.086	0.086	0.084	0.084	4.66
10)	TC	1,1-Dichloroet...		0.153	0.175	0.182	0.201	0.202	0.197	0.193	0.186	9.50
11)	TP	Carbon disulfide		0.466	0.519	0.497	0.557	0.581	0.579	0.575	0.539	8.46
12)	TP	Freon-113		0.166	0.175	0.185	0.218	0.219	0.212	0.206	0.197	10.98
13)	TP	Iodomethane			0.141	0.216	0.263	0.275	0.271	0.261	*L	0.9992
14)	TP	Acrolein			0.027	0.026	0.031	0.032	0.032	0.033	0.030	9.54
15)	TP	Methylene chlo...		0.231	0.241	0.217	0.226	0.224	0.225	0.222	0.227	3.36
17)	TP	Acetone			0.052	0.041	0.047	0.048	0.048	0.049	0.047	7.35
18)	TP	trans-1,2-Dich...		0.192	0.216	0.204	0.224	0.227	0.226	0.222	0.216	6.11
19)	TP	Methyl acetate			0.114	0.121	0.137	0.140	0.140	0.137	0.132	8.54
20)	TP	Methyl tert-bu...		0.344	0.437	0.406	0.449	0.469	0.470	0.466	0.434	10.55
21)	TP	tert-Butyl alc...		0.005	0.010	0.009	0.009	0.009	0.010	0.010	0.009#	18.04
22)	TP	Diisopropyl ether		0.803	0.971	0.939	1.061	1.086	1.087	1.042	0.998	10.31
23)	TP	1,1-Dichloroet...		0.421	0.516	0.488	0.518	0.522	0.519	0.506	0.499	7.28
24)	TP	Halothane		0.121	0.162	0.156	0.174	0.179	0.177	0.174	0.163	12.57
25)	TP	Acrylonitrile		0.046	0.061	0.064	0.072	0.075	0.075	0.074	0.067	16.07
26)	TP	Ethyl tert-but...		0.599	0.698	0.666	0.767	0.796	0.806	0.789	0.731	10.75
27)	TP	Vinyl acetate			0.364	0.440	0.534	0.568	0.577	0.562	0.507	17.02
28)	TP	cis-1,2-Dichlo...		0.223	0.265	0.235	0.250	0.253	0.252	0.249	0.247	5.56
29)	TP	2,2-Dichloropr...		0.234	0.273	0.303	0.352	0.367	0.367	0.363	0.323	16.52
30)	TP	Bromochloromet...		0.097	0.110	0.106	0.110	0.110	0.109	0.105	0.107	4.59
31)	TP	Cyclohexane		0.405	0.488	0.536	0.646	0.659	0.638	0.608	0.568	16.76
32)	TC	Chloroform		0.353	0.454	0.399	0.429	0.433	0.433	0.427	0.418	7.86
33)	TP	Ethyl acetate		0.135	0.183	0.167	0.193	0.203	0.203	0.199	0.183	13.57

Response Factor Report VOA 105

Method Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Method File : V105_220208N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Feb 09 11:34:23 2022
Response Via : Initial Calibration

Calibration Files
L11 =V05220208N04.d L1 =V05220208N06.d L2 =V05220208N08.d L3 =V05220208N09.d L4 =V05220208N10.d
L6 =V05220208N11.d L8 =V05220208N12.d L10 =V05220208N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.250	0.251	0.270	0.289	0.352	0.378	0.373	0.368	0.316	17.94
35)	TP	Tetrahydrofuran			0.063	0.053	0.057	0.056	0.059	0.057	0.057	5.96
36)	S	Dibromofluorom...	0.271	0.273	0.273	0.261	0.251	0.252	0.253	0.249	0.260	4.10
37)	TP	1,1,1-Trichlor...		0.264	0.317	0.347	0.395	0.405	0.401	0.393	0.360	14.91
39)	TP	2-Butanone			0.066	0.067	0.081	0.087	0.086	0.084	0.079	12.10
40)	TP	1,1-Dichloropr...		0.231	0.266	0.286	0.337	0.348	0.345	0.336	0.307	15.03
41)	TP	Benzene	0.867	0.769	0.888	0.850	0.930	0.950	0.949	0.924	0.891	6.90
42)	TP	tert-Amyl meth...		0.356	0.412	0.411	0.467	0.493	0.504	0.499	0.449	12.65
43)	S	1,2-Dichloroet...	0.358	0.353	0.359	0.360	0.324	0.328	0.331	0.330	0.343	4.73
44)	TP	1,2-Dichloroet...		0.319	0.373	0.333	0.358	0.359	0.357	0.349	0.350	5.19
47)	TP	Methyl cyclohe...			0.288	0.359	0.439	0.453	0.443	0.429	0.402	16.18
48)	TP	Trichloroethene	0.348	0.254	0.225	0.218	0.248	0.253	0.254	0.249	0.256	15.52
50)	TP	Dibromomethane		0.097	0.121	0.112	0.121	0.124	0.125	0.124	0.118	8.75
51)	TC	1,2-Dichloropr...		0.222	0.279	0.270	0.292	0.300	0.300	0.293	0.279	9.87
53)	TP	2-Chloroethyl ...		0.070	0.096	0.107	0.120	0.119	0.115	0.102	0.104	16.83
54)	TP	Bromodichlorom...		0.214	0.296	0.281	0.318	0.328	0.332	0.328	0.300#	14.07
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	6.77
58)	TP	cis-1,3-Dichlo...		0.212	0.273	0.292	0.351	0.375	0.382	0.376	*L	0.9987
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.269	1.277	1.310	1.313	1.333	1.331	1.323	1.291	1.306	1.86
61)	TC	Toluene	0.694	0.594	0.763	0.717	0.816	0.821	0.815	0.797	0.752	10.59
62)	TP	4-Methyl-2-pen...		0.059	0.074	0.077	0.093	0.096	0.095	0.092	0.084	16.60
63)	TP	Tetrachloroethene		0.244	0.294	0.313	0.374	0.382	0.373	0.361	0.334	15.63
65)	TP	trans-1,3-Dich...		0.183	0.265	0.305	0.396	0.430	0.437		*Q	0.9986
67)	TP	Ethyl methacry...		0.173	0.241	0.241	0.285	0.292	0.286	0.279	0.257	16.60
68)	TP	1,1,2-Trichlor...		0.131	0.179	0.175	0.194	0.194	0.191	0.187	0.179#	12.47
69)	TP	Chlorodibromom...		0.186	0.228	0.250	0.299	0.311	0.311	0.309	0.271	18.50
70)	TP	1,3-Dichloropr...		0.280	0.434	0.413	0.462	0.467	0.462	0.451	0.424	15.69
71)	TP	1,2-Dibromoethane		0.127	0.231	0.219	0.255	0.255	0.253	0.248	*L	0.9995
72)	TP	2-Hexanone		0.095	0.130	0.141	0.168	0.174	0.173	0.168	0.150	19.76
73)	TP	Chlorobenzene		0.697	0.852	0.792	0.888	0.890	0.875	0.863	0.836	8.37

Response Factor Report VOA 105

Method Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Method File : V105_220208N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Feb 09 11:34:23 2022
Response Via : Initial Calibration

Calibration Files
L11 =V05220208N04.d L1 =V05220208N06.d L2 =V05220208N08.d L3 =V05220208N09.d L4 =V05220208N10.d
L6 =V05220208N11.d L8 =V05220208N12.d L10 =V05220208N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TC	Ethylbenzene	1.376	1.233	1.472	1.444	1.636	1.630	1.603	1.546	1.492	9.43
75)	TP	1,1,1,2-Tetrac...		0.196	0.264	0.267	0.317	0.326	0.329	0.324	0.289	17.15
76)	TP	p/m Xylene	0.469	0.455	0.552	0.546	0.614	0.614	0.607	0.591	0.556	11.47
77)	TP	o Xylene	0.474	0.437	0.529	0.519	0.579	0.581	0.573	0.558	0.531	9.95
78)	TP	Styrene	0.732	0.706	0.880	0.862	0.961	0.960	0.948	0.895	0.868	11.45
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.142	0.212	0.233	0.291	0.314	0.324	0.334	*Q	0.9991
82)	TP	Isopropylbenzene		2.292	2.536	2.586	3.019	3.065	3.051	2.967	2.788	11.17
83)	S	4-Bromofluorob...	0.909	0.917	0.900	0.885	0.900	0.900	0.909	0.923	0.905	1.30
84)	TP	Bromobenzene		0.519	0.602	0.572	0.657	0.661	0.663	0.672	0.621	9.38
85)	TP	n-Propylbenzene		2.589	2.878	2.981	3.579	3.563	3.535	3.239	3.195	12.22
86)	TP	1,4-Dichlorobu...		0.817	0.960	0.894	1.023	1.031	1.047	1.030	0.972	8.96
87)	TP	1,1,2,2-Tetrac...		0.372	0.434	0.395	0.455	0.455	0.460	0.461	0.433	8.23
88)	TP	4-Ethyltoluene		2.056	2.463	2.476	2.936	2.927	2.930	2.818	2.658	12.69
89)	TP	2-Chlorotoluene		1.639	1.921	1.788	2.049	2.074	2.070	2.066	1.944	8.81
90)	TP	1,3,5-Trimethy...		1.946	2.179	2.145	2.526	2.511	2.533	2.434	2.325	10.05
91)	TP	1,2,3-Trichlor...		0.361	0.383	0.338	0.387	0.398	0.403	0.396	0.381	6.07
92)	TP	trans-1,4-Dich...			0.134	0.143	0.173	0.175	0.186	0.189	0.167	13.66
93)	TP	4-Chlorotoluene		1.779	1.981	1.886	2.117	2.135	2.151	2.125	2.025	7.23
94)	TP	tert-Butylbenzene		1.598	1.787	1.865	2.183	2.210	2.199	2.156	2.000	12.36
97)	TP	1,2,4-Trimethy...		1.799	2.182	2.102	2.451	2.477	2.465	2.392	2.267	11.19
98)	TP	sec-Butylbenzene		2.231	2.519	2.666	3.177	3.227	3.158	2.971	2.850	13.47
99)	TP	p-Isopropyltol...		1.877	2.164	2.281	2.741	2.780	2.743	2.615	2.457	14.34
100)	TP	1,3-Dichlorobe...		0.997	1.188	1.126	1.286	1.303	1.295	1.288	1.212	9.58
101)	TP	1,4-Dichlorobe...		1.059	1.235	1.135	1.287	1.300	1.295	1.281	1.227	7.68
102)	TP	p-Diethylbenzene		0.967	1.205	1.276	1.557	1.586	1.587	1.564	1.392	17.64
103)	TP	n-Butylbenzene		1.475	1.718	1.837	2.265	2.325	2.306	2.230	2.022	16.90
104)	TP	1,2-Dichlorobe...		0.946	1.091	1.026	1.144	1.149	1.150	1.143	1.093	7.23
105)	TP	1,2,4,5-Tetram...		1.572	1.814	1.892	2.240	2.282	2.252	2.181	2.033	13.54
106)	TP	1,2-Dibromo-3-...		0.032	0.055	0.053	0.067	0.069	0.070	0.072	*L	0.9986
107)	TP	1,3,5-Trichlor...		0.658	0.729	0.714	0.831	0.838	0.823	0.810	0.772	9.18

Method Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Method File : V105_220208N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Feb 09 11:34:23 2022
Response Via : Initial Calibration

Calibration Files
L11 =V05220208N04.d L1 =V05220208N06.d L2 =V05220208N08.d L3 =V05220208N09.d L4 =V05220208N10.d
L6 =V05220208N11.d L8 =V05220208N12.d L10 =V05220208N13.d

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108)	TP Hexachlorobuta...	0.257	0.261	0.282	0.345	0.353	0.346	0.342	0.312	13.85	
109)	TP 1,2,4-Trichlor...	0.527	0.588	0.567	0.678	0.691	0.688	0.684	0.632	10.92	
110)	TP Naphthalene	1.033	1.130	1.052	1.268	1.315	1.331	1.314	1.206	10.84	
111)	TP 1,2,3-Trichlor...	0.472	0.521	0.472	0.543	0.557	0.555	0.550	0.524	7.17	

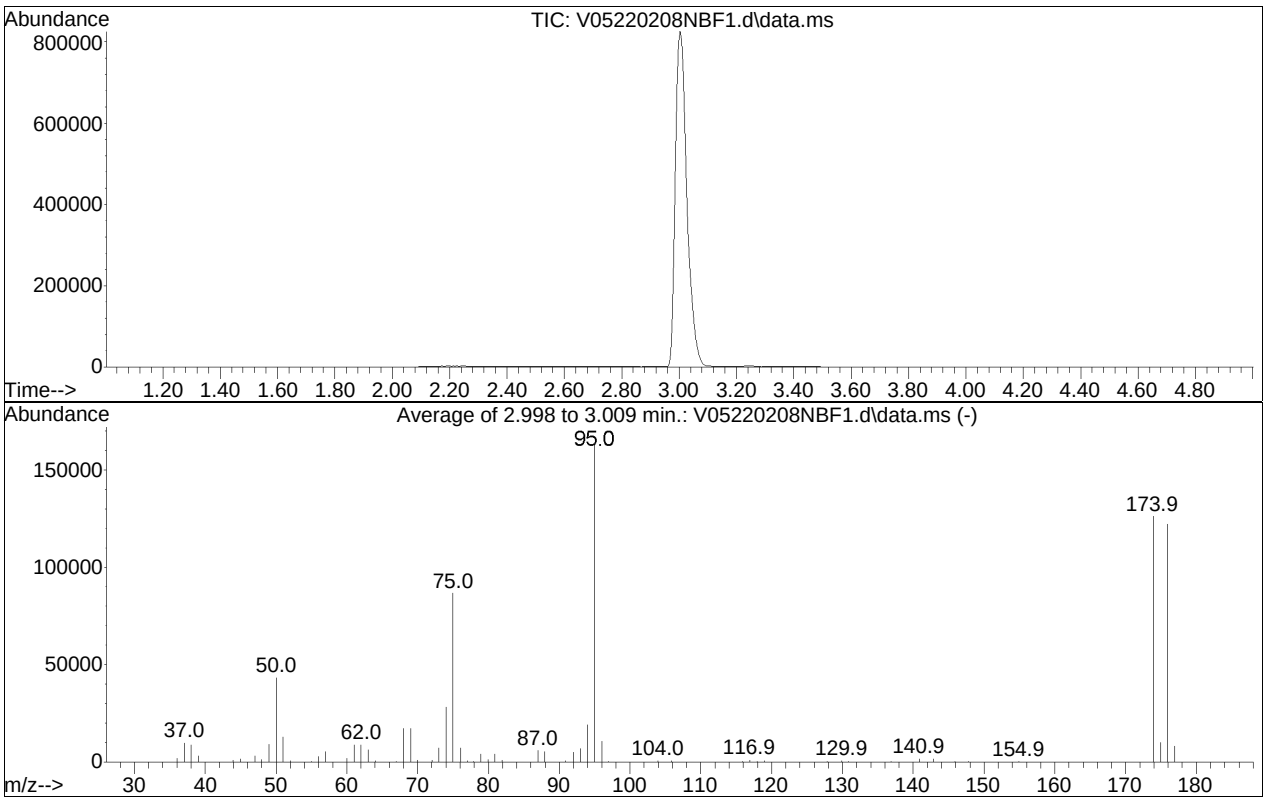
(#) = Out of Range

BFB

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208NBF1.d
Acq On : 8 Feb 2022 4:04 pm
Operator : VOA105:LAC
Sample : WG1603077-1
Misc : WG1603077
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Feb 09 11:34:23 2022



AutoFind: Scans 167, 168, 169; Background Corrected with Scan 158

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.5	43464	PASS
75	95	30	60	52.9	86739	PASS
95	95	100	100	100.0	163989	PASS
96	95	5	9	6.6	10784	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.9	126179	PASS
175	174	5	9	7.9	10018	PASS
176	174	95	101	96.9	122229	PASS
177	176	5	9	6.6	8125	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N04.d
Acq On : 8 Feb 2022 5:32 pm
Operator : VOA105:PD
Sample : I8260STD0.19
Misc : WG1603077,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 09 11:35:34 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.860	96	495635	10.000	ug/L	0.00
Standard Area 1 = 530622			Recovery =	93.41%		
59) Chlorobenzene-d5	9.373	117	393115	10.000	ug/L	0.00
Standard Area 1 = 398296			Recovery =	98.70%		
79) 1,4-Dichlorobenzene-d4	12.106	152	215877	10.000	ug/L	0.00
Standard Area 1 = 226852			Recovery =	95.16%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	134346	10.406	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.06%		
43) 1,2-Dichloroethane-d4	5.587	65	177523	10.449	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.49%		
60) Toluene-d8	7.533	98	498479	9.710	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.10%		
83) 4-Bromofluorobenzene	10.881	95	196214	10.038	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.38%		
Target Compounds						Qvalue
4) Vinyl chloride	1.841	62	2272	0.168	ug/L #	41
34) Carbon tetrachloride	5.010	117	2350	0.150	ug/L	98
41) Benzene	5.450	78	8167	0.185	ug/L #	82
48) Trichloroethene	6.037	95	3279	0.258	ug/L #	70
58) cis-1,3-Dichloropropene	7.347	75	1689	0.459	ug/L #	64
61) Toluene	7.592	92	5175	0.175	ug/L	98
65) trans-1,3-Dichloropropene	8.100	75	1061	0.435	ug/L #	36
74) Ethylbenzene	9.432	91	10267	0.175	ug/L	99
76) p/m Xylene	9.618	106	7001	0.320	ug/L	99
77) o Xylene	10.166	106	7070	0.339	ug/L	93
78) Styrene	10.245	104	10925	0.320	ug/L	92

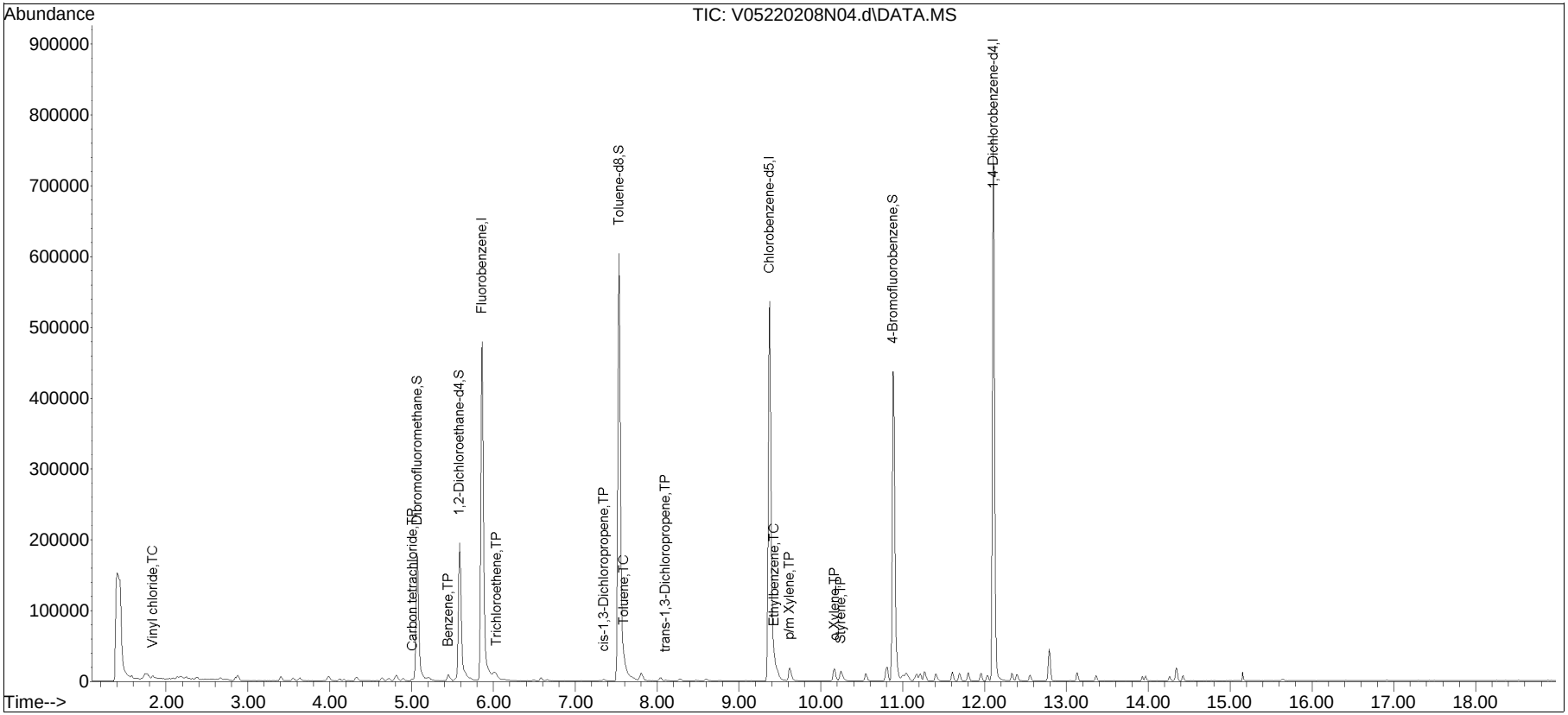
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N04.d
Acq On : 8 Feb 2022 5:32 pm
Operator : VOA105:PD
Sample : I8260STD0.19
Misc : WG1603077,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 09 11:35:34 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

Sub List : 8260-L11 - Level 11 for 8260-LRR productL\V05220208N09.d•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA105\2022\2	QMethod	: V105_220208N_8260.m
Data File	: V05220208N04.d	Operator	: VOA105:PD
Date Inj'd	: 2/8/2022 5:32 pm	Instrument	: VOA 105
Sample	: I8260STD0.19	Quant Date	: 2/9/2022 11:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N06.d
Acq On : 8 Feb 2022 6:18 pm
Operator : VOA105:PD
Sample : I8260STD0.5
Misc : WG1603077,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 09 17:24:08 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.860	96	505789	10.000	ug/L	0.00
Standard Area 1 = 530622			Recovery = 95.32%			
59) Chlorobenzene-d5	9.373	117	396177	10.000	ug/L	0.00
Standard Area 1 = 398296			Recovery = 99.47%			
79) 1,4-Dichlorobenzene-d4	12.106	152	217104	10.000	ug/L	0.00
Standard Area 1 = 226852			Recovery = 95.70%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	138249	10.493	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.93%			
43) 1,2-Dichloroethane-d4	5.586	65	178541	10.298	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.98%			
60) Toluene-d8	7.533	98	505831	9.777	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.77%			
83) 4-Bromofluorobenzene	10.881	95	199111	10.129	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.29%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.576	85	4580	0.420	ug/L #	97
3) Chloromethane	1.772	50	9066	0.477	ug/L	94
4) Vinyl chloride	1.840	62	6085	0.442	ug/L	76
5) Bromomethane	2.134	94	3243	0.478	ug/L	97
6) Chloroethane	2.251	64	4354	0.529	ug/L	79
7) Trichlorofluoromethane	2.378	101	6305	0.390	ug/L	98
8) Ethyl ether	2.662	74	1947	0.458	ug/L #	10
10) 1,1-Dichloroethene	2.858	96	3869	0.411	ug/L #	73
11) Carbon disulfide	2.877	76	11781	0.432	ug/L	99
12) Freon-113	2.877	101	4194	0.420	ug/L	77
13) Iodomethane	2.995	142	1196	1.135	ug/L #	70
14) Acrolein	3.210	56	185	0.121	ug/L #	82
15) Methylene chloride	3.405	84	5832	0.509	ug/L #	49
17) Acetone	3.474	43	2123	0.884	ug/L #	65
18) trans-1,2-Dichloroethene	3.552	96	4852	0.444	ug/L	84
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	3.630	73	8706	0.396	ug/L #	47
21) tert-Butyl alcohol	3.748	59	685	1.524	ug/L #	1
22) Diisopropyl ether	3.982	45	20310	0.402	ug/L #	88
23) 1,1-Dichloroethane	4.119	63	10635	0.422	ug/L	92
24) Halothane	4.168	117	3051	0.369	ug/L	98

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N06.d
Acq On : 8 Feb 2022 6:18 pm
Operator : VOA105:PD
Sample : I8260STD0.5
Misc : WG1603077,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 09 17:24:08 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.247	53	1168M3	0.346	ug/L		
26) Ethyl tert-butyl ether	4.325	59	15149	0.409	ug/L	#	69
27) Vinyl acetate	0.000		0	N.D.	d		
28) cis-1,2-Dichloroethene	4.638	96	5640	0.452	ug/L	#	77
29) 2,2-Dichloropropane	4.726	77	5918	0.363	ug/L	#	61
30) Bromochloromethane	4.833	128	2448	0.454	ug/L	#	33
31) Cyclohexane	4.804	56	10254	0.357	ug/L	#	58
32) Chloroform	4.892	83	8935	0.422	ug/L	#	91
33) Ethyl acetate	5.039	43	3406	0.368	ug/L	#	72
34) Carbon tetrachloride	5.019	117	6348	0.397	ug/L		94
35) Tetrahydrofuran	0.000		0	N.D.	d		
37) 1,1,1-Trichloroethane	5.078	97	6669	0.366	ug/L	#	86
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	5.205	75	5837	0.376	ug/L		92
41) Benzene	5.450	78	19454	0.432	ug/L	#	85
42) tert-Amyl methyl ether	5.547	73	9001	0.396	ug/L	#	79
44) 1,2-Dichloroethane	5.665	62	8065	0.456	ug/L		91
47) Methyl cyclohexane	6.007	83	6666	0.328	ug/L	#	26
48) Trichloroethene	6.046	95	6436	0.497	ug/L	#	80
50) Dibromomethane	6.496	93	2446	0.411	ug/L	#	80
51) 1,2-Dichloropropane	6.584	63	5622	0.398	ug/L	#	83
53) 2-Chloroethyl vinyl ether	7.318	63	1773	0.336	ug/L	#	65
54) Bromodichloromethane	6.653	83	5418	0.358	ug/L	#	96
57) 1,4-Dioxane	6.878	88	4667	100.052	ug/L	#	46
58) cis-1,3-Dichloropropene	7.357	75	5362	0.650	ug/L	#	83
61) Toluene	7.592	92	11776	0.395	ug/L		93
62) 4-Methyl-2-pentanone	8.041	58	1176	0.354	ug/L	#	50
63) Tetrachloroethene	8.032	166	4827	0.365	ug/L	#	81
65) trans-1,3-Dichloropropene	8.100	75	3627	0.609	ug/L	#	66
67) Ethyl methacrylate	8.286	69	3423	0.337	ug/L		91
68) 1,1,2-Trichloroethane	8.276	83	2598	0.367	ug/L		94
69) Chlorodibromomethane	8.482	129	3675	0.343	ug/L		81
70) 1,3-Dichloropropane	8.599	76	5538	0.330	ug/L		96
71) 1,2-Dibromoethane	8.765	107	2520	0.508	ug/L	#	78
72) 2-Hexanone	9.079	43	1881	0.317	ug/L	#	71
73) Chlorobenzene	9.392	112	13802	0.416	ug/L	#	82
74) Ethylbenzene	9.431	91	24417	0.413	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.480	131	3885	0.339	ug/L	#	67
76) p/m Xylene	9.618	106	18032	0.818	ug/L		94
77) o Xylene	10.166	106	17307	0.822	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N06.d
Acq On : 8 Feb 2022 6:18 pm
Operator : VOA105:PD
Sample : I8260STD0.5
Misc : WG1603077,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 09 17:24:08 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.235	104	27972	0.813	ug/L		96
80) Bromoform	10.264	173	1545	0.620	ug/L		93
82) Isopropylbenzene	10.548	105	24877	0.411	ug/L		96
84) Bromobenzene	10.999	156	5630	0.418	ug/L		99
85) n-Propylbenzene	11.038	91	28101	0.405	ug/L		99
86) 1,4-Dichlorobutane	11.067	55	8867	0.420	ug/L	#	87
87) 1,1,2,2-Tetrachloroethane	11.146	83	4038	0.429	ug/L		95
88) 4-Ethyltoluene	11.165	105	22322	0.387	ug/L		98
89) 2-Chlorotoluene	11.214	91	17797M6	0.422	ug/L		
90) 1,3,5-Trimethylbenzene	11.263	105	21119	0.418	ug/L		95
91) 1,2,3-Trichloropropane	11.283	75	3923	0.475	ug/L		97
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d		
93) 4-Chlorotoluene	11.400	91	19307	0.439	ug/L		95
94) tert-Butylbenzene	11.606	119	17352	0.400	ug/L		91
97) 1,2,4-Trimethylbenzene	11.694	105	19526	0.397	ug/L		99
98) sec-Butylbenzene	11.802	105	24219	0.391	ug/L		99
99) p-Isopropyltoluene	11.959	119	20374	0.382	ug/L		99
100) 1,3-Dichlorobenzene	12.037	146	10818	0.411	ug/L		98
101) 1,4-Dichlorobenzene	12.125	146	11497M3	0.431	ug/L		
102) p-Diethylbenzene	12.331	119	10498	0.347	ug/L		95
103) n-Butylbenzene	12.400	91	16011	0.365	ug/L		96
104) 1,2-Dichlorobenzene	12.556	146	10272	0.433	ug/L		95
105) 1,2,4,5-Tetramethylben...	13.134	119	17061	0.387	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.340	155	351	0.627	ug/L		95
107) 1,3,5-Trichlorobenzene	13.360	180	7142	0.426	ug/L		94
108) Hexachlorobutadiene	13.928	225	2793	0.412	ug/L	#	71
109) 1,2,4-Trichlorobenzene	13.967	180	5722	0.417	ug/L		93
110) Naphthalene	14.261	128	11208	0.428	ug/L		100
111) 1,2,3-Trichlorobenzene	14.427	180	5129	0.451	ug/L		98

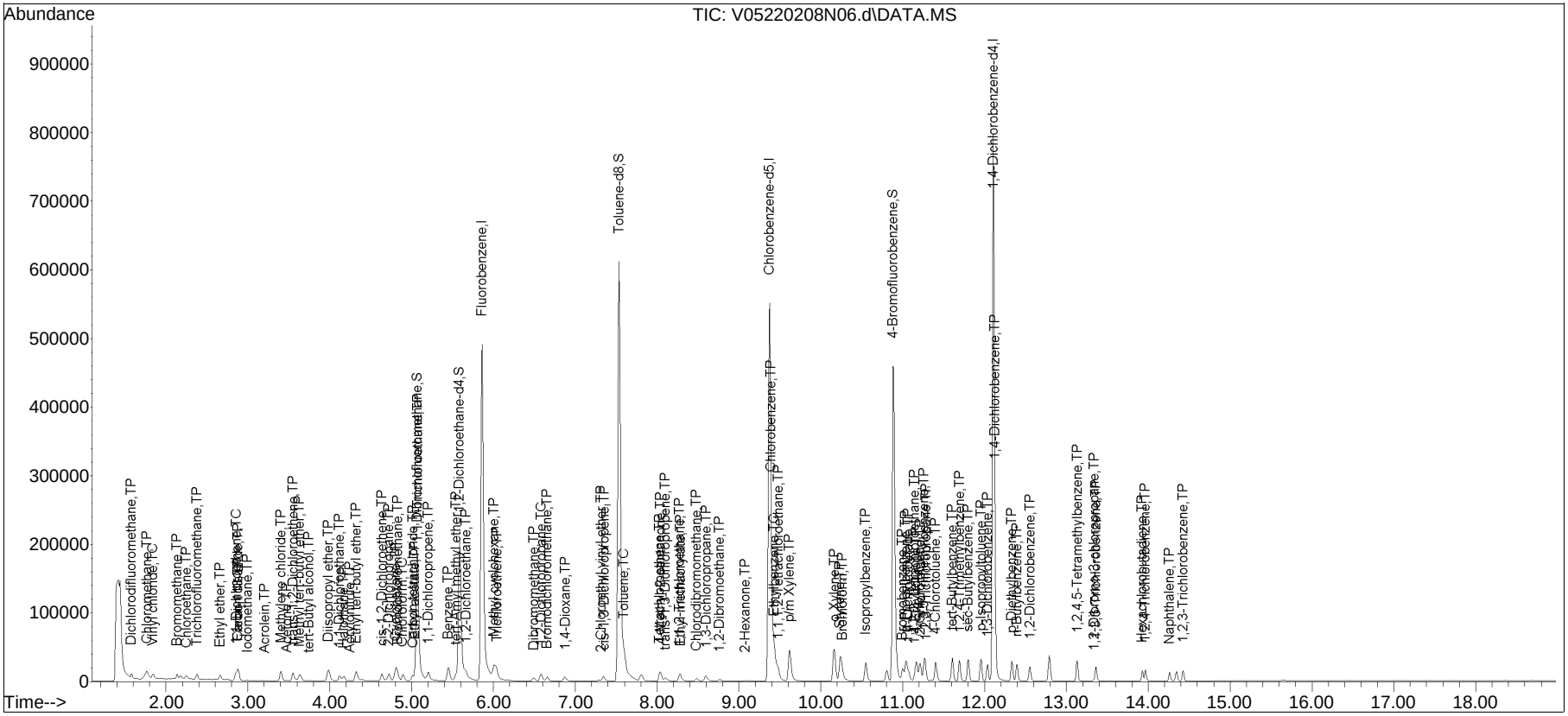
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N06.d
Acq On : 8 Feb 2022 6:18 pm
Operator : VOA105:PD
Sample : I8260STD0.5
Misc : WG1603077,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 09 17:24:08 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

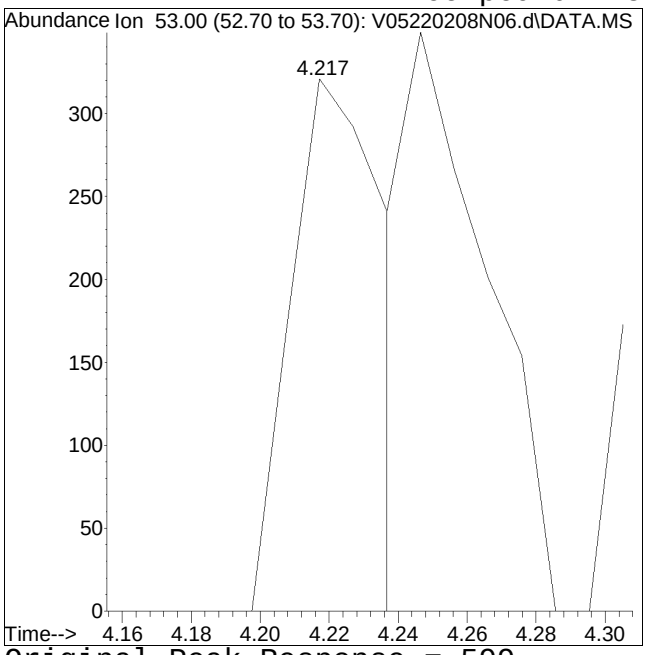
Sub List : 8260-Curve - Megamix plus Diox20208N-ICAL\V05220208N09.d•

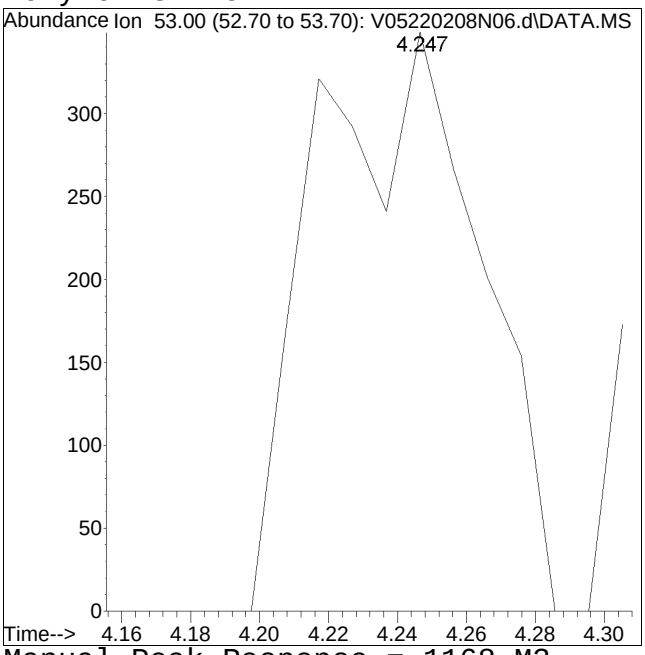


Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220208N06.d Operator : VOA105:PD
Date Inj'd : 2/8/2022 6:18 pm Instrument : VOA 105
Sample : I8260STD0.5 Quant Date : 2/9/2022 5:24 pm

Compound #25: Acrylonitrile





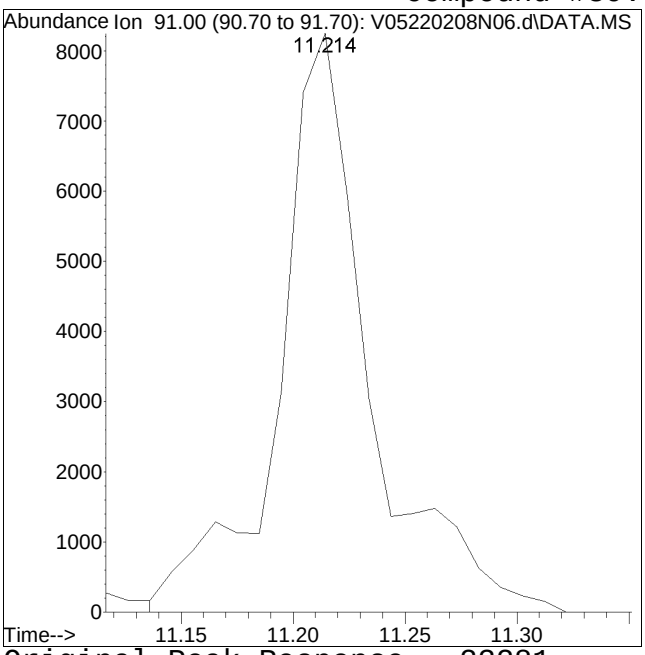
Original Peak Response = 599 Manual Peak Response = 1168 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

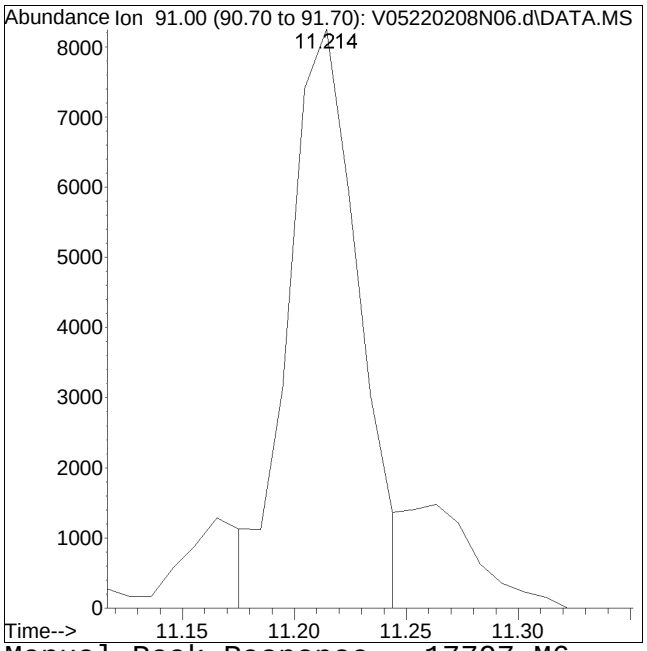
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220208N06.d Operator : VOA105:PD
Date Inj'd : 2/8/2022 6:18 pm Instrument : VOA 105
Sample : I8260STD0.5 Quant Date : 2/9/2022 5:24 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 23281



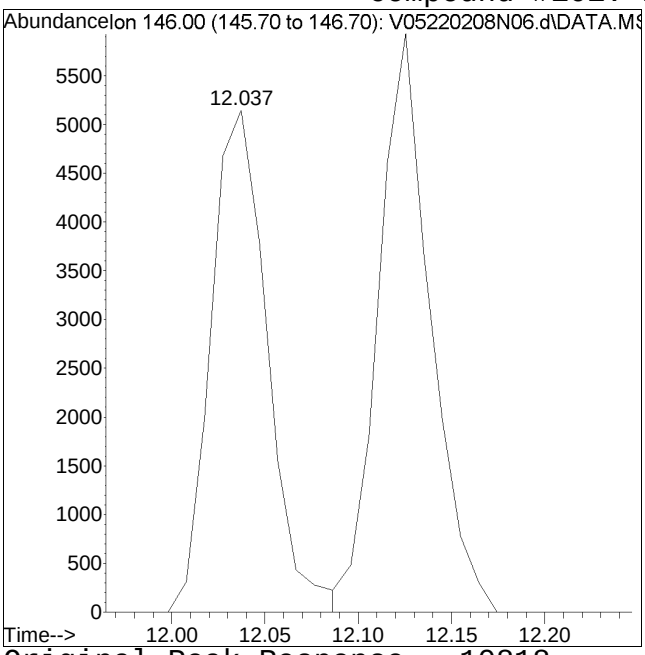
Manual Peak Response = 17797 M6

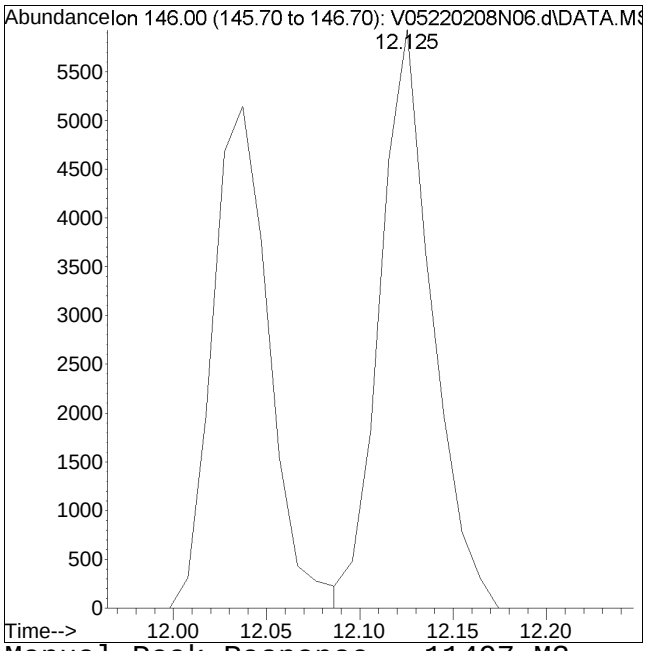
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220208N06.d Operator : VOA105:PD
Date Inj'd : 2/8/2022 6:18 pm Instrument : VOA 105
Sample : I8260STD0.5 Quant Date : 2/9/2022 5:24 pm

Compound #101: 1,4-Dichlorobenzene





Original Peak Response = 10818 Manual Peak Response = 11497 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N08.d
Acq On : 8 Feb 2022 7:04 pm
Operator : VOA105:PD
Sample : I8260STD2
Misc : WG1603077,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 09 17:25:07 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.860	96	513107	10.000	ug/L	0.00
Standard Area 1 = 530622			Recovery =	96.70%		
59) Chlorobenzene-d5	9.373	117	388022	10.000	ug/L	0.00
Standard Area 1 = 398296			Recovery =	97.42%		
79) 1,4-Dichlorobenzene-d4	12.106	152	221946	10.000	ug/L	0.00
Standard Area 1 = 226852			Recovery =	97.84%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	140317	10.498	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.98%		
43) 1,2-Dichloroethane-d4	5.586	65	184314	10.480	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.80%		
60) Toluene-d8	7.533	98	508267	10.031	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.31%		
83) 4-Bromofluorobenzene	10.881	95	199686	9.936	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.36%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.586	85	19525	1.765	ug/L #	96
3) Chloromethane	1.762	50	40785	2.117	ug/L	96
4) Vinyl chloride	1.840	62	26376	1.889	ug/L	95
5) Bromomethane	2.134	94	14168	2.058	ug/L	93
6) Chloroethane	2.251	64	17797	2.132	ug/L	92
7) Trichlorofluoromethane	2.378	101	29718	1.813	ug/L	100
8) Ethyl ether	2.662	74	9001	2.088	ug/L #	23
10) 1,1-Dichloroethene	2.848	96	17932	1.877	ug/L #	61
11) Carbon disulfide	2.877	76	53262	1.926	ug/L	98
12) Freon-113	2.887	101	17989	1.776	ug/L #	72
13) Iodomethane	2.994	142	14456	2.094	ug/L	86
14) Acrolein	3.190	56	2753	1.780	ug/L	98
15) Methylene chloride	3.405	84	24739	2.129	ug/L #	37
17) Acetone	3.464	43	5327	2.188	ug/L	98
18) trans-1,2-Dichloroethene	3.542	96	22200	2.004	ug/L #	69
19) Methyl acetate	3.572	43	11681	1.731	ug/L #	78
20) Methyl tert-butyl ether	3.640	73	44808	2.010	ug/L #	73
21) tert-Butyl alcohol	3.738	59	5044	11.059	ug/L #	51
22) Diisopropyl ether	3.982	45	99661	1.945	ug/L #	84
23) 1,1-Dichloroethane	4.119	63	52981	2.071	ug/L	93
24) Halothane	4.168	117	16666	1.989	ug/L	95

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N08.d
Acq On : 8 Feb 2022 7:04 pm
Operator : VOA105:PD
Sample : I8260STD2
Misc : WG1603077,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 09 17:25:07 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.207	53	6228	1.821	ug/L	#	88
26) Ethyl tert-butyl ether	4.325	59	72080	1.921	ug/L	#	65
27) Vinyl acetate	4.364	43	37315M1	1.434	ug/L		
28) cis-1,2-Dichloroethene	4.638	96	27205	2.150	ug/L	#	80
29) 2,2-Dichloropropane	4.716	77	28017	1.693	ug/L	#	65
30) Bromochloromethane	4.823	128	11333	2.071	ug/L	#	39
31) Cyclohexane	4.804	56	50130	1.719	ug/L	#	53
32) Chloroform	4.892	83	46585	2.170	ug/L	#	91
33) Ethyl acetate	5.019	43	19018	2.023	ug/L	#	85
34) Carbon tetrachloride	5.009	117	27702	1.707	ug/L		99
35) Tetrahydrofuran	5.039	42	6510M6	2.209	ug/L		
37) 1,1,1-Trichloroethane	5.078	97	32502	1.759	ug/L	#	84
39) 2-Butanone	5.205	43	6745	1.674	ug/L	#	54
40) 1,1-Dichloropropene	5.205	75	27263	1.731	ug/L		99
41) Benzene	5.449	78	91258	1.996	ug/L	#	84
42) tert-Amyl methyl ether	5.547	73	42282	1.836	ug/L	#	80
44) 1,2-Dichloroethane	5.655	62	38263	2.132	ug/L		100
47) Methyl cyclohexane	6.007	83	29588	1.434	ug/L	#	35
48) Trichloroethene	6.036	95	23066	1.755	ug/L		93
50) Dibromomethane	6.486	93	12384	2.050	ug/L		96
51) 1,2-Dichloropropane	6.574	63	28596	1.995	ug/L	#	83
53) 2-Chloroethyl vinyl ether	7.288	63	9806	1.833	ug/L	#	74
54) Bromodichloromethane	6.662	83	30395	1.977	ug/L		100
57) 1,4-Dioxane	6.858	88	21595	456.354	ug/L	#	57
58) cis-1,3-Dichloropropene	7.337	75	27978	1.820	ug/L	#	82
61) Toluene	7.591	92	59223	2.029	ug/L		99
62) 4-Methyl-2-pentanone	8.041	58	5730	1.763	ug/L	#	72
63) Tetrachloroethene	8.032	166	22779	1.756	ug/L		96
65) trans-1,3-Dichloropropene	8.090	75	20558	1.786	ug/L		84
67) Ethyl methacrylate	8.276	69	18709	1.878	ug/L		97
68) 1,1,2-Trichloroethane	8.276	83	13879	2.002	ug/L		97
69) Chlorodibromomethane	8.481	129	17708	1.687	ug/L		95
70) 1,3-Dichloropropane	8.589	76	33690	2.047	ug/L		96
71) 1,2-Dibromoethane	8.755	107	17904	2.093	ug/L		98
72) 2-Hexanone	9.049	43	10094	1.736	ug/L		90
73) Chlorobenzene	9.392	112	66090	2.036	ug/L		100
74) Ethylbenzene	9.431	91	114205	1.972	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.480	131	20497	1.828	ug/L	#	89
76) p/m Xylene	9.617	106	85751	3.973	ug/L		93
77) o Xylene	10.156	106	82076	3.983	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N08.d
Acq On : 8 Feb 2022 7:04 pm
Operator : VOA105:PD
Sample : I8260STD2
Misc : WG1603077,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 09 17:25:07 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.235	104	136637	4.057	ug/L		96
80)	Bromoform	10.264	173	9399	1.827	ug/L		99
82)	Isopropylbenzene	10.548	105	112579	1.819	ug/L		100
84)	Bromobenzene	10.999	156	26743	1.941	ug/L		97
85)	n-Propylbenzene	11.038	91	127758	1.802	ug/L		98
86)	1,4-Dichlorobutane	11.067	55	42607	1.976	ug/L		90
87)	1,1,2,2-Tetrachloroethane	11.146	83	19279	2.005	ug/L		95
88)	4-Ethyltoluene	11.165	105	109332	1.853	ug/L		99
89)	2-Chlorotoluene	11.204	91	85270M6	1.977	ug/L		
90)	1,3,5-Trimethylbenzene	11.263	105	96738	1.875	ug/L		95
91)	1,2,3-Trichloropropane	11.283	75	17018M4	2.014	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.342	53	5956	1.610	ug/L	#	68
93)	4-Chlorotoluene	11.400	91	87939	1.957	ug/L		97
94)	tert-Butylbenzene	11.606	119	79317	1.787	ug/L		92
97)	1,2,4-Trimethylbenzene	11.684	105	96852	1.925	ug/L		99
98)	sec-Butylbenzene	11.802	105	111822	1.768	ug/L		100
99)	p-Isopropyltoluene	11.949	119	96066	1.761	ug/L		97
100)	1,3-Dichlorobenzene	12.027	146	52723	1.960	ug/L		98
101)	1,4-Dichlorobenzene	12.125	146	54807	2.012	ug/L		96
102)	p-Diethylbenzene	12.331	119	53501	1.732	ug/L		99
103)	n-Butylbenzene	12.390	91	76271	1.699	ug/L		97
104)	1,2-Dichlorobenzene	12.546	146	48416	1.996	ug/L		98
105)	1,2,4,5-Tetramethylben...	13.124	119	80531	1.785	ug/L		96
106)	1,2-Dibromo-3-chloropr...	13.340	155	2457	1.968	ug/L		91
107)	1,3,5-Trichlorobenzene	13.360	180	32351	1.888	ug/L		98
108)	Hexachlorobutadiene	13.928	225	11597	1.673	ug/L		98
109)	1,2,4-Trichlorobenzene	13.957	180	26108	1.861	ug/L		99
110)	Naphthalene	14.251	128	50176	1.875	ug/L		100
111)	1,2,3-Trichlorobenzene	14.418	180	23128	1.987	ug/L		97

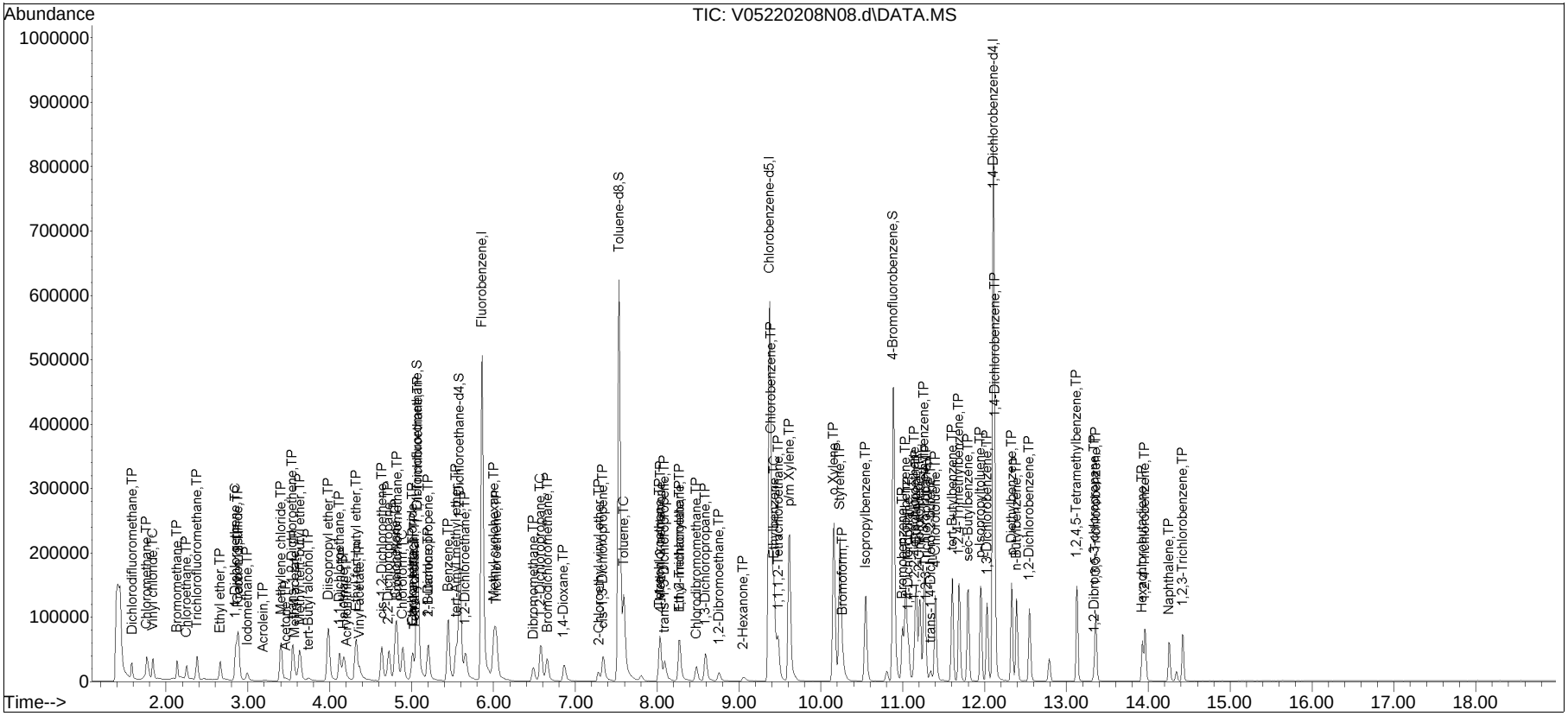
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N08.d
Acq On : 8 Feb 2022 7:04 pm
Operator : VOA105:PD
Sample : I8260STD2
Misc : WG1603077,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 09 17:25:07 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

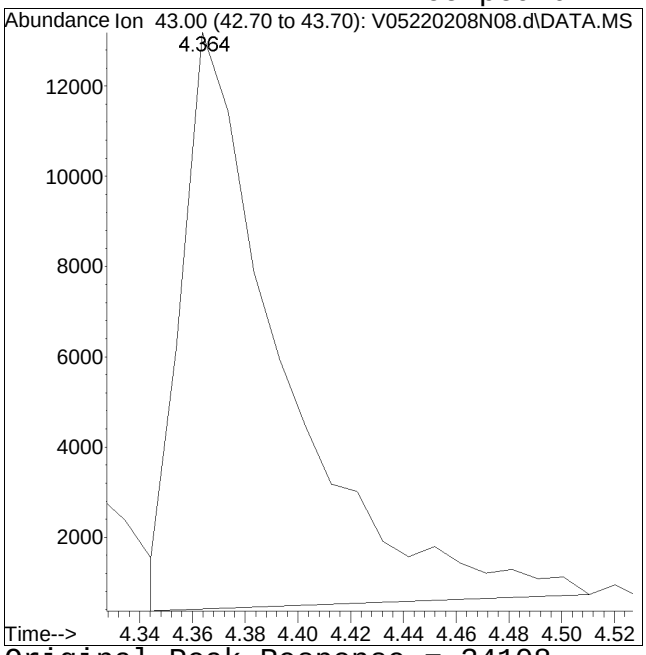
Sub List : 8260-Curve - Megamix plus Diox20208N-ICAL\V05220208N09.d•

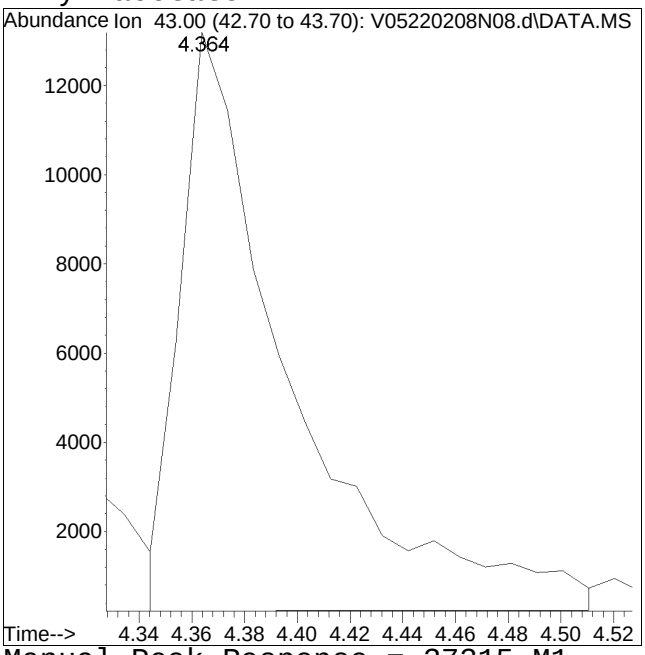


Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220208N08.d Operator : VOA105:PD
Date Inj'd : 2/8/2022 7:04 pm Instrument : VOA 105
Sample : I8260STD2 Quant Date : 2/9/2022 5:25 pm

Compound #27: Vinyl acetate





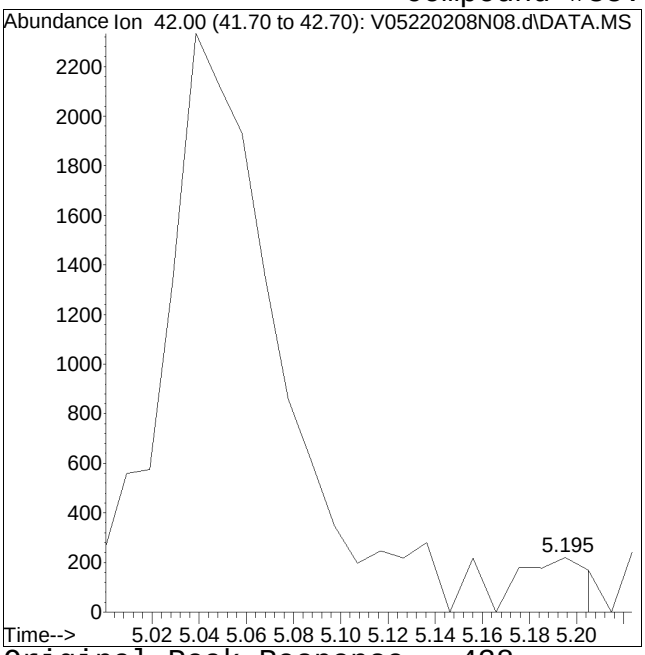
Original Peak Response = 34108 Manual Peak Response = 37315 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

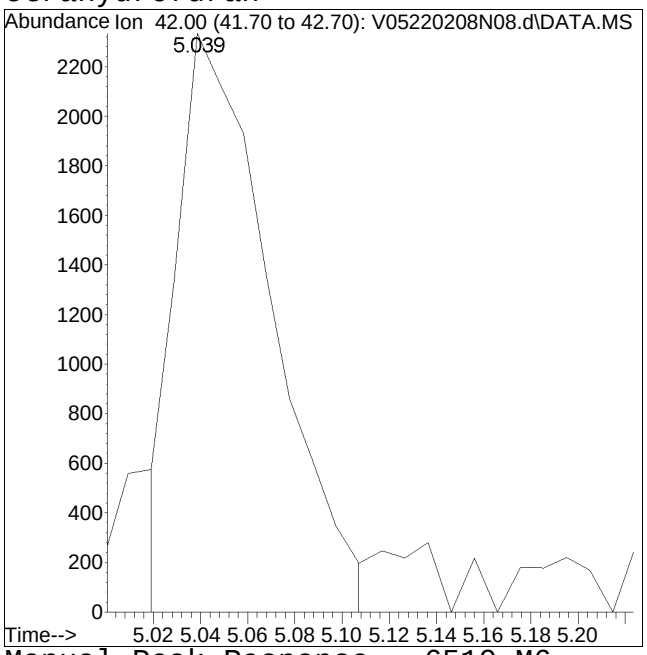
Data Path : I:\VOLATILES\VOA105\2022\2Q
Data File : V05220208N08.d
Date Inj'd : 2/8/2022 7:04 pm
Sample : I8260STD2

Method : V105_220208N_8260.m
Operator : VOA105:PD
Instrument : VOA 105
Quant Date : 2/9/2022 5:25 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 438



Manual Peak Response = 6510 M6

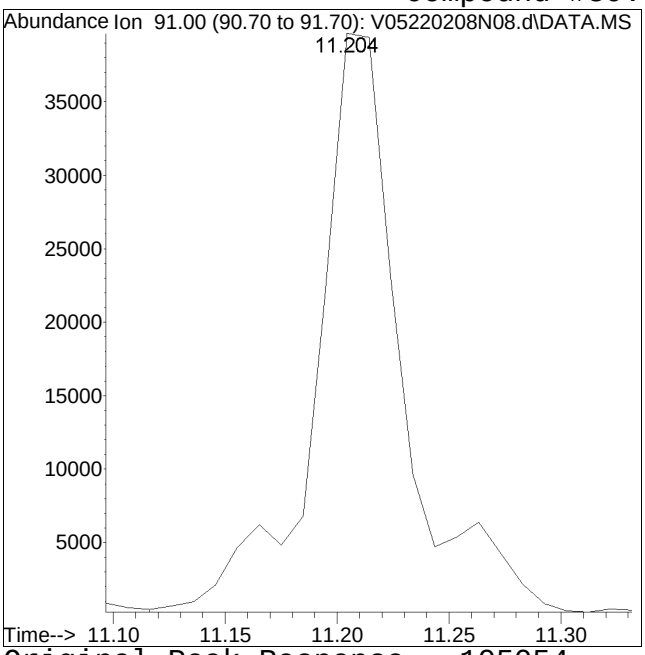
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

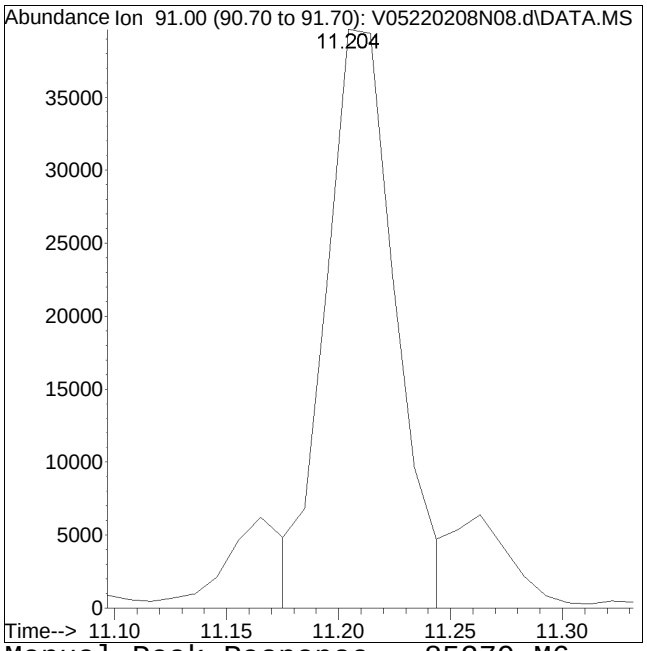
Data Path : I:\VOLATILES\VOA105\2022\2Q
Data File : V05220208N08.d
Date Inj'd : 2/8/2022 7:04 pm
Sample : I8260STD2

Method : V105_220208N_8260.m
Operator : VOA105:PD
Instrument : VOA 105
Quant Date : 2/9/2022 5:25 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 105054



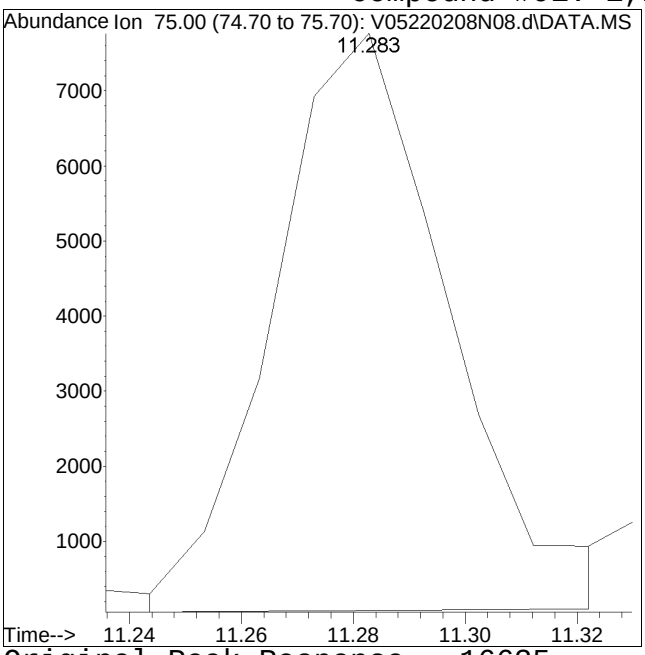
Manual Peak Response = 85270 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

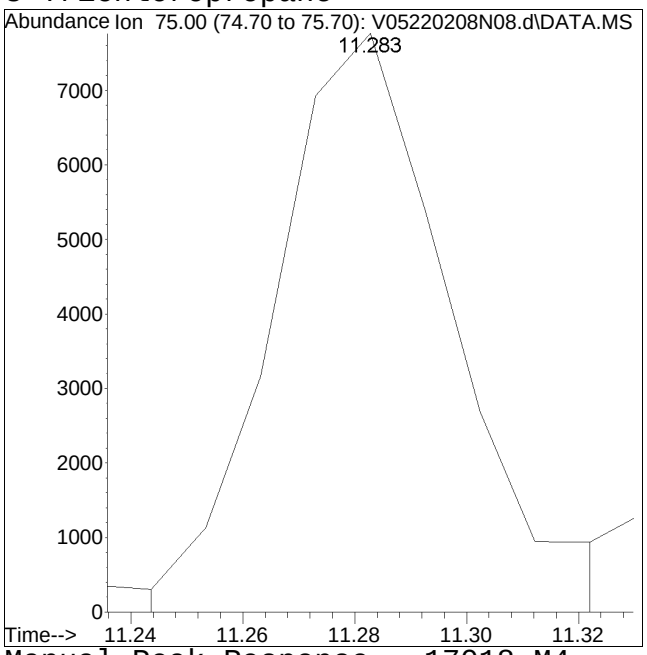
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220208N08.d Operator : VOA105:PD
Date Inj'd : 2/8/2022 7:04 pm Instrument : VOA 105
Sample : I8260STD2 Quant Date : 2/9/2022 5:25 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 16635



Manual Peak Response = 17018 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N09.d
Acq On : 8 Feb 2022 7:27 pm
Operator : VOA105:PD
Sample : I8260STD10
Misc : WG1603077,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 09 11:35:58 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.860	96	530622	10.000	ug/L	0.00
Standard Area 1 = 530622			Recovery = 100.00%			
59) Chlorobenzene-d5	9.373	117	398296	10.000	ug/L	0.00
Standard Area 1 = 398296			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.106	152	226852	10.000	ug/L	0.00
Standard Area 1 = 226852			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	138509	10.021	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.21%			
43) 1,2-Dichloroethane-d4	5.586	65	191209	10.513	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.13%			
60) Toluene-d8	7.533	98	522987	10.055	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.55%			
83) 4-Bromofluorobenzene	10.881	95	200807	9.776	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.76%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.586	85	106500	9.307	ug/L #	97
3) Chloromethane	1.762	50	195001	9.787	ug/L	98
4) Vinyl chloride	1.840	62	140199	9.708	ug/L	95
5) Bromomethane	2.134	94	58118	8.163	ug/L	97
6) Chloroethane	2.251	64	82624	9.571	ug/L	90
7) Trichlorofluoromethane	2.378	101	154939	9.140	ug/L	95
8) Ethyl ether	2.662	74	42571	9.551	ug/L #	29
10) 1,1-Dichloroethene	2.848	96	96167	9.736	ug/L #	71
11) Carbon disulfide	2.877	76	263043	9.196	ug/L	99
12) Freon-113	2.887	101	98364	9.392	ug/L	86
13) Iodomethane	2.994	142	114489	9.071	ug/L	92
14) Acrolein	3.180	56	13877	8.677	ug/L	95
15) Methylene chloride	3.405	84	115374	9.599	ug/L #	39
17) Acetone	3.454	43	21942	8.714	ug/L	92
18) trans-1,2-Dichloroethene	3.542	96	108422	9.463	ug/L #	72
19) Methyl acetate	3.562	43	64206	9.201	ug/L #	78
20) Methyl tert-butyl ether	3.630	73	215429	9.347	ug/L #	73
21) tert-Butyl alcohol	3.738	59	23531	49.890	ug/L	96
22) Diisopropyl ether	3.982	45	498516	9.410	ug/L #	84
23) 1,1-Dichloroethane	4.119	63	259067	9.793	ug/L	93
24) Halothane	4.168	117	82923	9.569	ug/L	97

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N09.d
Acq On : 8 Feb 2022 7:27 pm
Operator : VOA105:PD
Sample : I8260STD10
Misc : WG1603077,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 09 11:35:58 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.188	53	33713	9.533	ug/L	#	86
26) Ethyl tert-butyl ether	4.325	59	355557	9.161	ug/L		82
27) Vinyl acetate	4.354	43	233493	8.676	ug/L	#	89
28) cis-1,2-Dichloroethene	4.628	96	124518	9.515	ug/L	#	76
29) 2,2-Dichloropropane	4.726	77	160714	9.391	ug/L	#	73
30) Bromochloromethane	4.823	128	56121	9.916	ug/L	#	51
31) Cyclohexane	4.804	56	284193	9.422	ug/L	#	54
32) Chloroform	4.892	83	211777	9.540	ug/L	#	92
33) Ethyl acetate	5.000	43	88844	9.140	ug/L	#	90
34) Carbon tetrachloride	5.009	117	153303	9.135	ug/L		99
35) Tetrahydrofuran	5.039	42	28274M6	9.278	ug/L		
37) 1,1,1-Trichloroethane	5.078	97	184108	9.635	ug/L		92
39) 2-Butanone	5.195	43	37226	8.934	ug/L	#	56
40) 1,1-Dichloropropene	5.195	75	151953	9.331	ug/L		99
41) Benzene	5.440	78	451223	9.546	ug/L	#	83
42) tert-Amyl methyl ether	5.547	73	217945	9.151	ug/L	#	82
44) 1,2-Dichloroethane	5.655	62	176863	9.529	ug/L		96
47) Methyl cyclohexane	6.007	83	190616	8.936	ug/L	#	40
48) Trichloroethene	6.036	95	115523	8.497	ug/L		94
50) Dibromomethane	6.486	93	59350	9.499	ug/L		95
51) 1,2-Dichloropropane	6.574	63	143011	9.646	ug/L	#	85
53) 2-Chloroethyl vinyl ether	7.269	63	57014	10.305	ug/L	#	83
54) Bromodichloromethane	6.652	83	148820	9.361	ug/L		98
57) 1,4-Dioxane	6.868	88	24168	493.870	ug/L	#	49
58) cis-1,3-Dichloropropene	7.337	75	155151	8.154	ug/L	#	81
61) Toluene	7.591	92	285646	9.535	ug/L		99
62) 4-Methyl-2-pentanone	8.032	58	30788	9.229	ug/L	#	76
63) Tetrachloroethene	8.032	166	124524	9.354	ug/L		94
65) trans-1,3-Dichloropropene	8.090	75	121372	8.466	ug/L	#	76
67) Ethyl methacrylate	8.266	69	96187	9.408	ug/L		95
68) 1,1,2-Trichloroethane	8.266	83	69539	9.771	ug/L		98
69) Chlorodibromomethane	8.481	129	99475	9.233	ug/L		98
70) 1,3-Dichloropropane	8.589	76	164539	9.740	ug/L		100
71) 1,2-Dibromoethane	8.755	107	87097	8.965	ug/L		97
72) 2-Hexanone	9.040	43	56159	9.407	ug/L		96
73) Chlorobenzene	9.392	112	315282	9.464	ug/L		95
74) Ethylbenzene	9.422	91	575056	9.674	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.480	131	106147	9.223	ug/L		97
76) p/m Xylene	9.608	106	434738	19.625	ug/L		92
77) o Xylene	10.156	106	413448	19.544	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N09.d
Acq On : 8 Feb 2022 7:27 pm
Operator : VOA105:PD
Sample : I8260STD10
Misc : WG1603077,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 09 11:35:58 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.235	104	686748	19.863	ug/L		93
80) Bromoform	10.264	173	52765	8.310	ug/L		98
82) Isopropylbenzene	10.548	105	586568	9.275	ug/L		98
84) Bromobenzene	10.999	156	129861	9.222	ug/L		100
85) n-Propylbenzene	11.038	91	676149	9.330	ug/L		98
86) 1,4-Dichlorobutane	11.067	55	202767	9.199	ug/L	#	89
87) 1,1,2,2-Tetrachloroethane	11.146	83	89693	9.125	ug/L		100
88) 4-Ethyltoluene	11.165	105	561644	9.314	ug/L		100
89) 2-Chlorotoluene	11.204	91	405570M6	9.198	ug/L		
90) 1,3,5-Trimethylbenzene	11.263	105	486595	9.227	ug/L		96
91) 1,2,3-Trichloropropane	11.283	75	76724M1	8.883	ug/L		
92) trans-1,4-Dichloro-2-b...	11.332	53	32475	8.587	ug/L	#	72
93) 4-Chlorotoluene	11.400	91	427769	9.313	ug/L		97
94) tert-Butylbenzene	11.606	119	423045	9.325	ug/L		93
97) 1,2,4-Trimethylbenzene	11.684	105	476937	9.275	ug/L		99
98) sec-Butylbenzene	11.792	105	604849	9.356	ug/L		100
99) p-Isopropyltoluene	11.949	119	517487	9.283	ug/L		98
100) 1,3-Dichlorobenzene	12.027	146	255446	9.292	ug/L		99
101) 1,4-Dichlorobenzene	12.125	146	257402	9.244	ug/L		99
102) p-Diethylbenzene	12.331	119	289494	9.168	ug/L		100
103) n-Butylbenzene	12.390	91	416831	9.085	ug/L		99
104) 1,2-Dichlorobenzene	12.546	146	232826	9.392	ug/L		97
105) 1,2,4,5-Tetramethylben...	13.124	119	429228	9.306	ug/L		97
106) 1,2-Dibromo-3-chloropr...	13.340	155	11912	7.848	ug/L		100
107) 1,3,5-Trichlorobenzene	13.360	180	162021	9.252	ug/L		98
108) Hexachlorobutadiene	13.928	225	64046	9.040	ug/L		98
109) 1,2,4-Trichlorobenzene	13.957	180	128724	8.978	ug/L		98
110) Naphthalene	14.251	128	238610	8.721	ug/L		100
111) 1,2,3-Trichlorobenzene	14.418	180	107034	8.998	ug/L		98

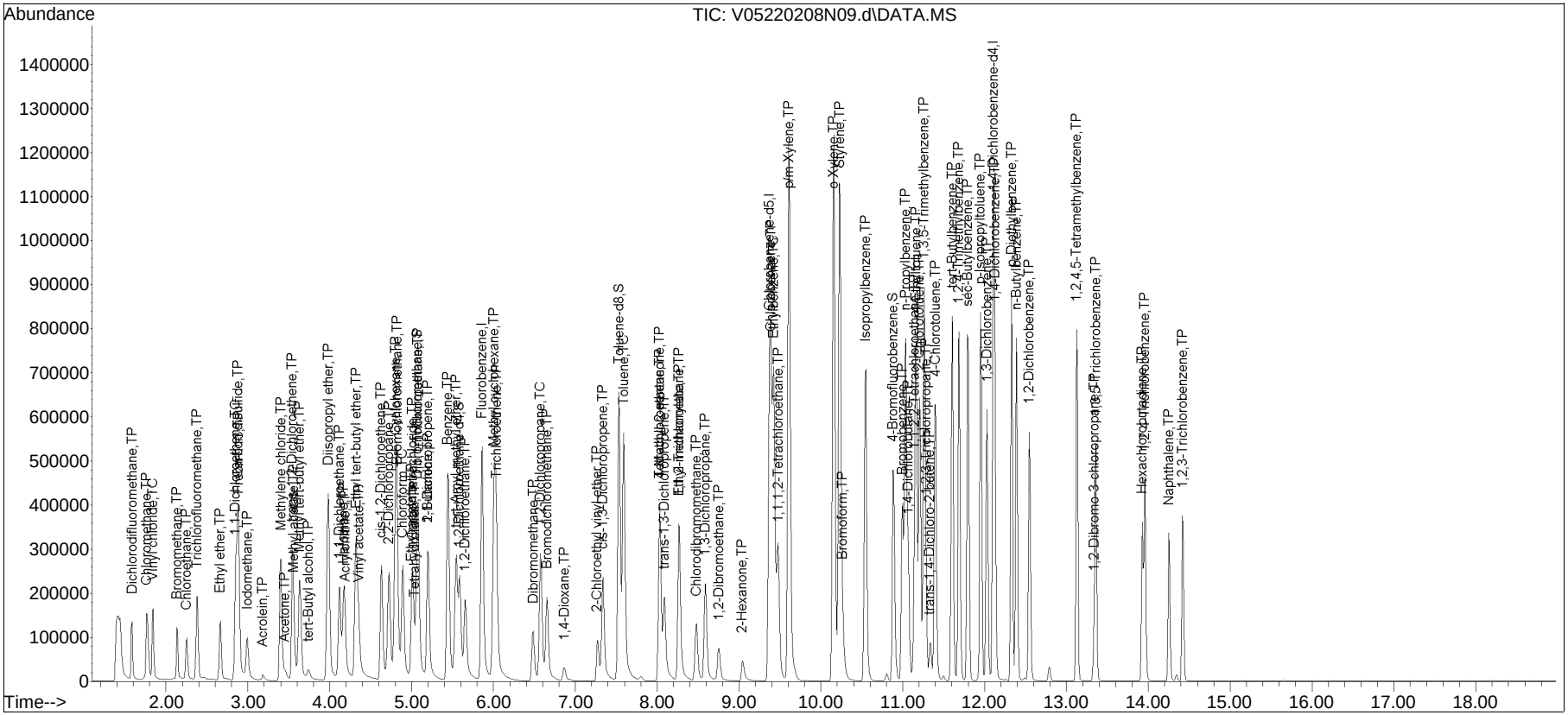
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N09.d
Acq On : 8 Feb 2022 7:27 pm
Operator : VOA105:PD
Sample : I8260STD10
Misc : WG1603077,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 09 11:35:58 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

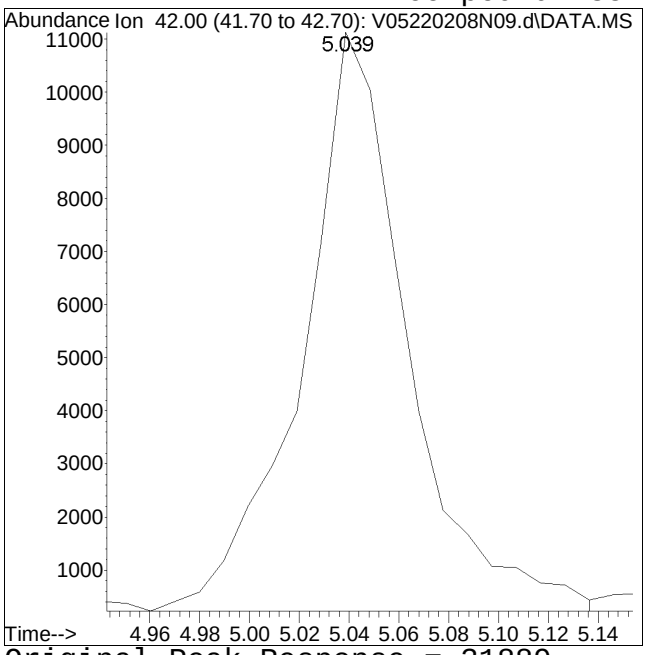
Sub List : 8260-Curve - Megamix plus Diox20208N-ICAL\V05220208N09.d•



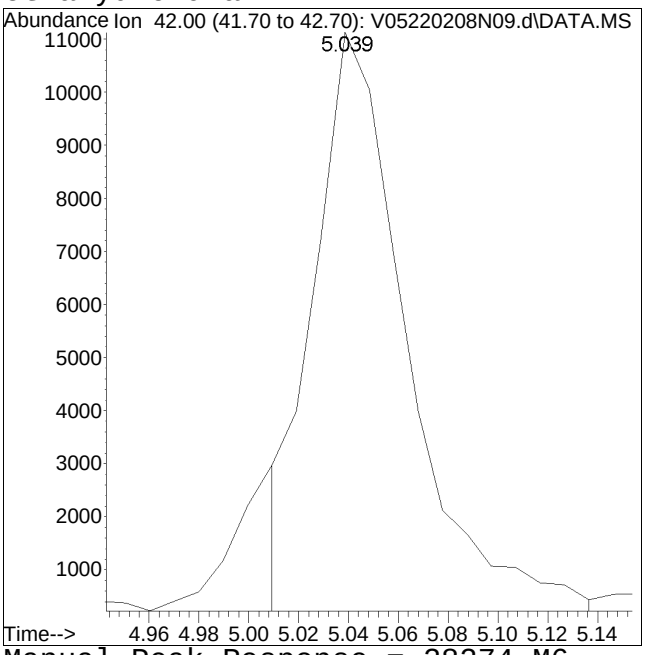
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220208N09.d Operator : VOA105:PD
Date Inj'd : 2/8/2022 7:27 pm Instrument : VOA 105
Sample : I8260STD10 Quant Date : 2/9/2022 11:35 am

Compound #35: Tetrahydrofuran



Original Peak Response = 31889



Manual Peak Response = 28274 M6

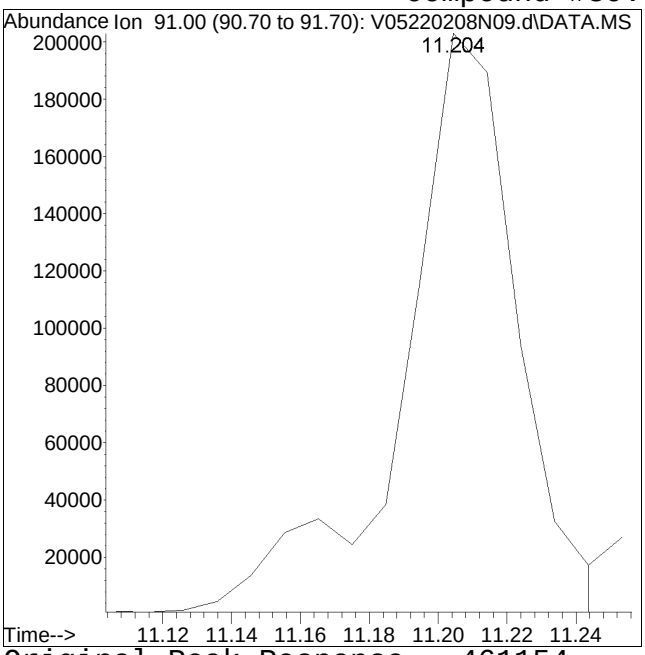
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

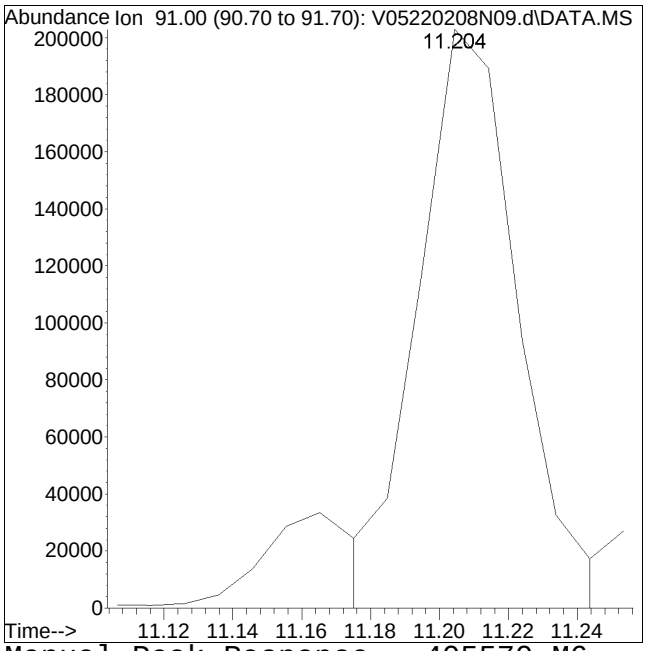
Data Path : I:\VOLATILES\VOA105\2022\2Q
Data File : V05220208N09.d
Date Inj'd : 2/8/2022 7:27 pm
Sample : I8260STD10

Method : V105_220208N_8260.m
Operator : VOA105:PD
Instrument : VOA 105
Quant Date : 2/9/2022 11:35 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 461154



Manual Peak Response = 405570 M6

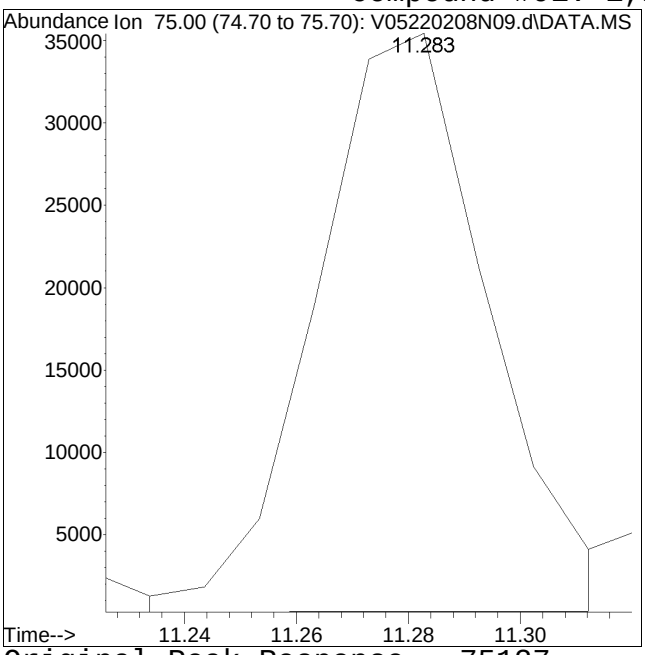
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

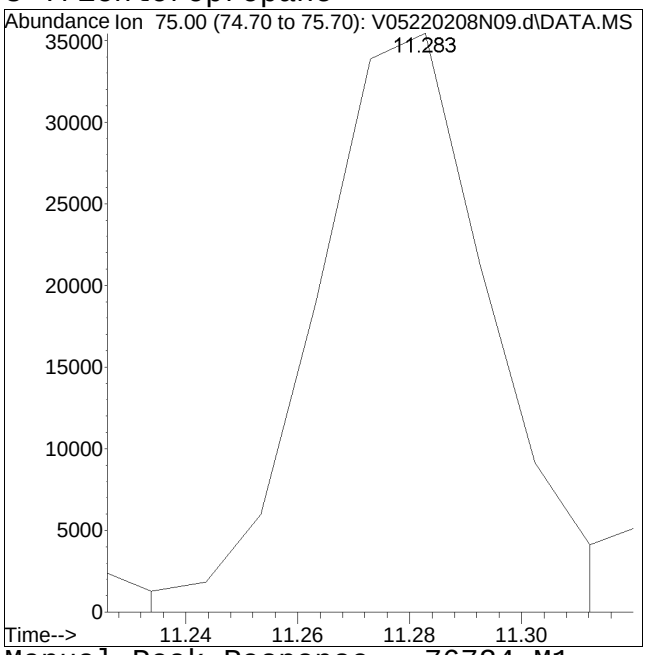
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2Q
Data File : V05220208N09.d
Date Inj'd : 2/8/2022 7:27 pm
Sample : I8260STD10

Method : V105_220208N_8260.m
Operator : VOA105:PD
Instrument : VOA 105
Quant Date : 2/9/2022 11:35 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 75127 Manual Peak Response = 76724 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N10.d
Acq On : 8 Feb 2022 7:50 pm
Operator : VOA105:PD
Sample : I8260STD30
Misc : WG1603077,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 09 11:36:06 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.860	96	565868	10.000	ug/L	0.00
Standard Area 1 = 530622			Recovery = 106.64%			
59) Chlorobenzene-d5	9.373	117	413626	10.000	ug/L	0.00
Standard Area 1 = 398296			Recovery = 103.85%			
79) 1,4-Dichlorobenzene-d4	12.106	152	229144	10.000	ug/L	0.00
Standard Area 1 = 226852			Recovery = 101.01%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	141836	9.623	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.23%			
43) 1,2-Dichloroethane-d4	5.586	65	183207	9.445	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.45%			
60) Toluene-d8	7.533	98	551433	10.209	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.09%			
83) 4-Bromofluorobenzene	10.881	95	206304	9.943	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.43%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.586	85	410387	33.631	ug/L #	97
3) Chloromethane	1.772	50	659730	31.049	ug/L	97
4) Vinyl chloride	1.840	62	500344	32.487	ug/L	92
5) Bromomethane	2.134	94	213163	28.077	ug/L	98
6) Chloroethane	2.251	64	278870	30.291	ug/L	92
7) Trichlorofluoromethane	2.378	101	611056	33.802	ug/L	100
8) Ethyl ether	2.662	74	146570	30.836	ug/L #	32
10) 1,1-Dichloroethene	2.848	96	341523	32.423	ug/L #	68
11) Carbon disulfide	2.877	76	945833	31.006	ug/L	100
12) Freon-113	2.887	101	370143	33.140	ug/L	92
13) Iodomethane	2.994	142	447124	30.434	ug/L	93
14) Acrolein	3.180	56	52817	30.969	ug/L	96
15) Methylene chloride	3.405	84	384057	29.964	ug/L #	37
17) Acetone	3.454	43	79327	29.540	ug/L	95
18) trans-1,2-Dichloroethene	3.542	96	379428	31.053	ug/L #	73
19) Methyl acetate	3.552	43	232181	31.199	ug/L #	77
20) Methyl tert-butyl ether	3.630	73	762426	31.019	ug/L #	76
21) tert-Butyl alcohol	3.738	59	75710	150.521	ug/L	93
22) Diisopropyl ether	3.982	45	1800633	31.872	ug/L #	84
23) 1,1-Dichloroethane	4.119	63	880001	31.193	ug/L	94
24) Halothane	4.168	117	295211	31.944	ug/L	99

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N10.d
Acq On : 8 Feb 2022 7:50 pm
Operator : VOA105:PD
Sample : I8260STD30
Misc : WG1603077,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 09 11:36:06 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.178	53	122089	32.372	ug/L	#	86
26) Ethyl tert-butyl ether	4.325	59	1304701	31.523	ug/L	#	79
27) Vinyl acetate	4.344	43	905754	31.560	ug/L	#	89
28) cis-1,2-Dichloroethene	4.628	96	423975	30.379	ug/L	#	75
29) 2,2-Dichloropropane	4.726	77	597670	32.749	ug/L	#	78
30) Bromochloromethane	4.823	128	186710	30.934	ug/L	#	48
31) Cyclohexane	4.804	56	1096426	34.084	ug/L	#	54
32) Chloroform	4.892	83	728472	30.772	ug/L	#	93
33) Ethyl acetate	5.000	43	326859	31.531	ug/L	#	89
34) Carbon tetrachloride	5.009	117	598244	33.429	ug/L		99
35) Tetrahydrofuran	5.039	42	96219M6	29.608	ug/L		
37) 1,1,1-Trichloroethane	5.078	97	670305	32.893	ug/L		93
39) 2-Butanone	5.185	43	137133	30.861	ug/L	#	55
40) 1,1-Dichloropropene	5.195	75	572090	32.942	ug/L		98
41) Benzene	5.440	78	1581630	31.375	ug/L	#	84
42) tert-Amyl methyl ether	5.547	73	792121	31.187	ug/L	#	85
44) 1,2-Dichloroethane	5.655	62	608299	30.732	ug/L		97
47) Methyl cyclohexane	6.007	83	745622	32.779	ug/L	#	38
48) Trichloroethene	6.036	95	421162	29.049	ug/L		96
50) Dibromomethane	6.476	93	206096	30.932	ug/L		97
51) 1,2-Dichloropropane	6.574	63	496259	31.387	ug/L	#	84
53) 2-Chloroethyl vinyl ether	7.269	63	204848	34.718	ug/L	#	80
54) Bromodichloromethane	6.652	83	539054	31.794	ug/L		99
57) 1,4-Dioxane	6.868	88	30188	578.464	ug/L	#	56
58) cis-1,3-Dichloropropene	7.337	75	596014	28.414	ug/L	#	81
61) Toluene	7.591	92	1012043	32.531	ug/L		100
62) 4-Methyl-2-pentanone	8.032	58	115486	33.336	ug/L	#	81
63) Tetrachloroethene	8.032	166	463603	33.535	ug/L		95
65) trans-1,3-Dichloropropene	8.080	75	490995	30.831	ug/L	#	79
67) Ethyl methacrylate	8.266	69	353071	33.253	ug/L		91
68) 1,1,2-Trichloroethane	8.266	83	241044	32.613	ug/L		96
69) Chlorodibromomethane	8.472	129	371278	33.182	ug/L		98
70) 1,3-Dichloropropane	8.589	76	573015	32.663	ug/L		100
71) 1,2-Dibromoethane	8.746	107	316383	30.721	ug/L		99
72) 2-Hexanone	9.040	43	208993	33.709	ug/L		94
73) Chlorobenzene	9.392	112	1101694	31.843	ug/L		95
74) Ethylbenzene	9.422	91	2029800	32.882	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.480	131	393569	32.928	ug/L		98
76) p/m Xylene	9.608	106	1524688	66.276	ug/L		92
77) o Xylene	10.156	106	1437704	65.443	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N10.d
Acq On : 8 Feb 2022 7:50 pm
Operator : VOA105:PD
Sample : I8260STD30
Misc : WG1603077,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 09 11:36:06 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.225	104	2385096	66.428	ug/L		95
80)	Bromoform	10.264	173	199754	29.623	ug/L		97
82)	Isopropylbenzene	10.548	105	2075265	32.486	ug/L		98
84)	Bromobenzene	10.999	156	451458	31.738	ug/L		100
85)	n-Propylbenzene	11.038	91	2459978	33.604	ug/L		98
86)	1,4-Dichlorobutane	11.067	55	703172	31.580	ug/L	#	89
87)	1,1,2,2-Tetrachloroethane	11.146	83	313016	31.528	ug/L		98
88)	4-Ethyltoluene	11.165	105	2018118	33.133	ug/L		100
89)	2-Chlorotoluene	11.204	91	1408549M6	31.625	ug/L		
90)	1,3,5-Trimethylbenzene	11.263	105	1736438	32.597	ug/L		98
91)	1,2,3-Trichloropropane	11.283	75	265753M1	30.460	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.332	53	118727	31.080	ug/L	#	82
93)	4-Chlorotoluene	11.391	91	1455518	31.372	ug/L		96
94)	tert-Butylbenzene	11.606	119	1500475	32.745	ug/L		92
97)	1,2,4-Trimethylbenzene	11.684	105	1684912	32.439	ug/L		98
98)	sec-Butylbenzene	11.792	105	2184189	33.447	ug/L		100
99)	p-Isopropyltoluene	11.949	119	1884410	33.465	ug/L		98
100)	1,3-Dichlorobenzene	12.027	146	883712	31.824	ug/L		99
101)	1,4-Dichlorobenzene	12.125	146	885005	31.467	ug/L		98
102)	p-Diethylbenzene	12.331	119	1070630	33.568	ug/L		99
103)	n-Butylbenzene	12.390	91	1557327	33.604	ug/L		99
104)	1,2-Dichlorobenzene	12.547	146	786083	31.392	ug/L		98
105)	1,2,4,5-Tetramethylben...	13.124	119	1539687	33.048	ug/L		97
106)	1,2-Dibromo-3-chloropr...	13.330	155	46392	29.125	ug/L		93
107)	1,3,5-Trichlorobenzene	13.360	180	571554	32.313	ug/L		99
108)	Hexachlorobutadiene	13.928	225	236833	33.093	ug/L		100
109)	1,2,4-Trichlorobenzene	13.957	180	465918	32.172	ug/L		98
110)	Naphthalene	14.251	128	871814	31.547	ug/L		100
111)	1,2,3-Trichlorobenzene	14.418	180	373208	31.062	ug/L		98

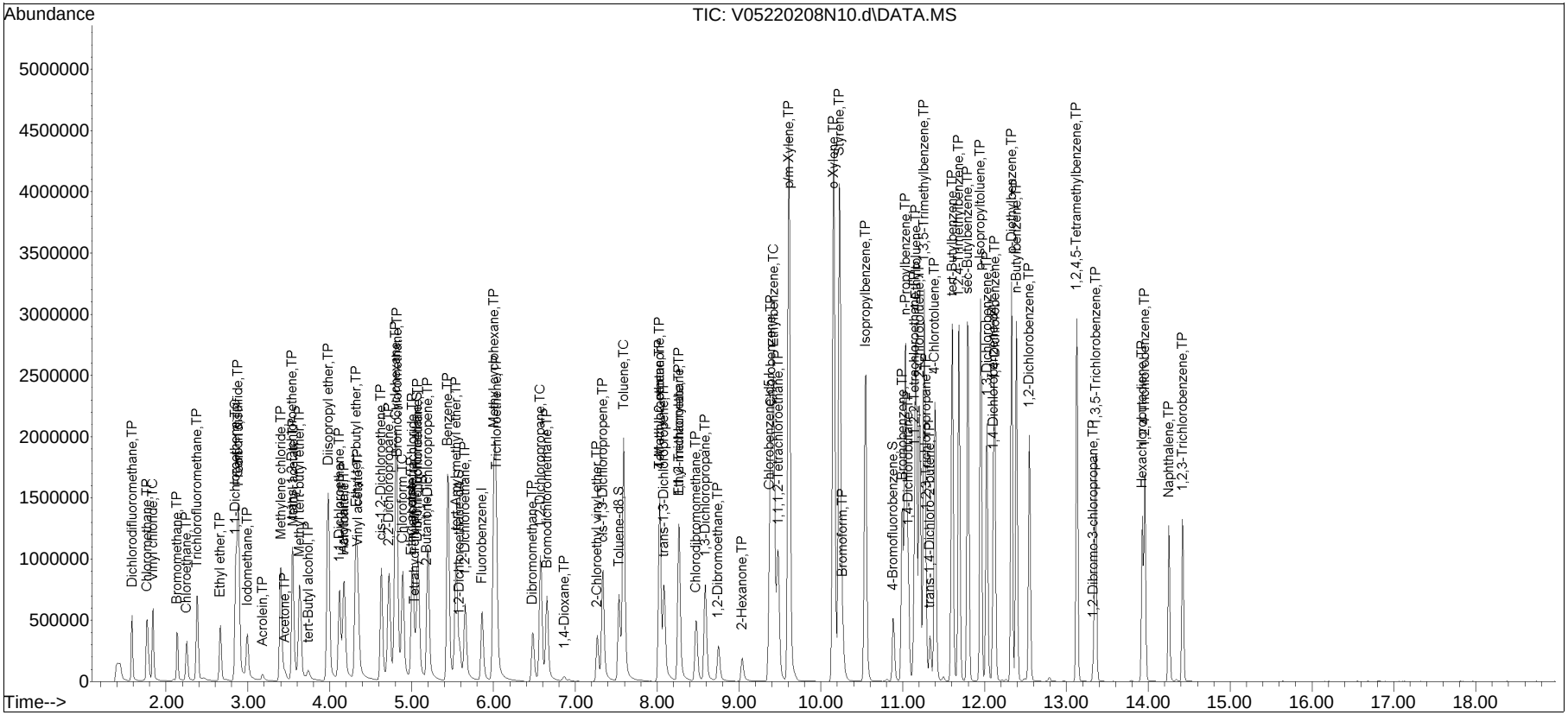
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N10.d
Acq On : 8 Feb 2022 7:50 pm
Operator : VOA105:PD
Sample : I8260STD30
Misc : WG1603077,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 09 11:36:06 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

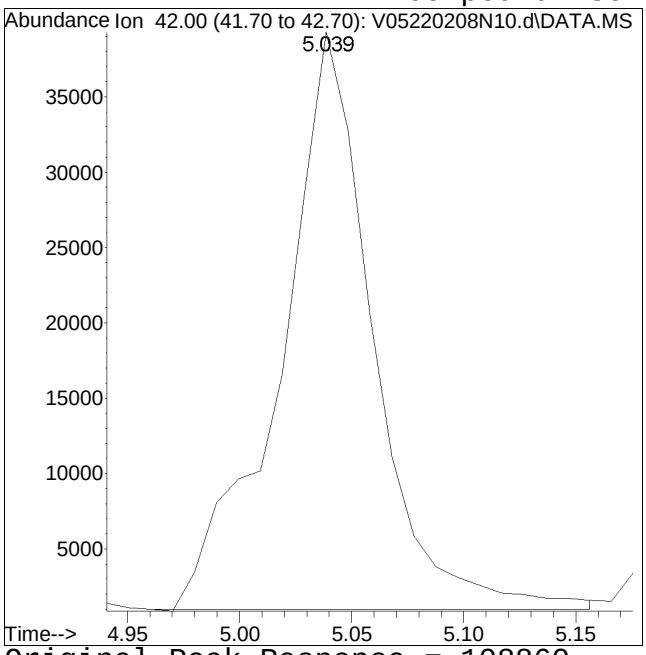
Sub List : 8260-Curve - Megamix plus Diox20208N-ICAL\V05220208N09.d•



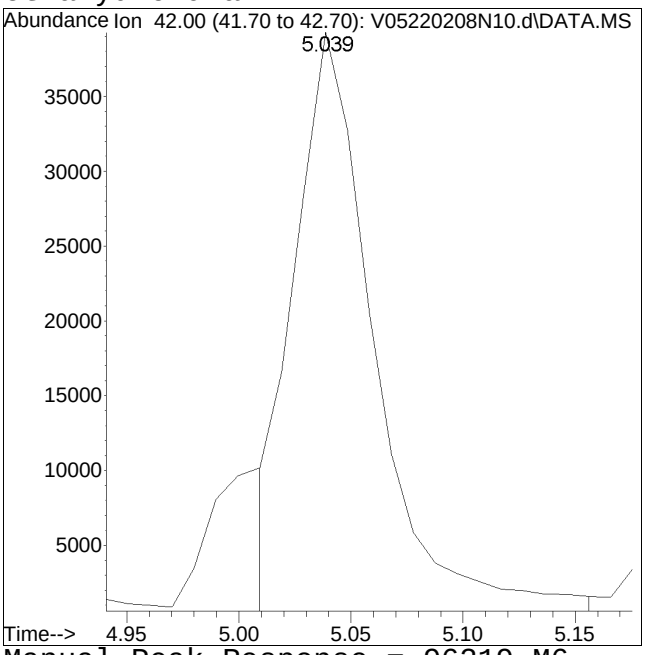
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220208N10.d Operator : VOA105:PD
Date Inj'd : 2/8/2022 7:50 pm Instrument : VOA 105
Sample : I8260STD30 Quant Date : 2/9/2022 11:36 am

Compound #35: Tetrahydrofuran



Original Peak Response = 108860



Manual Peak Response = 96219 M6

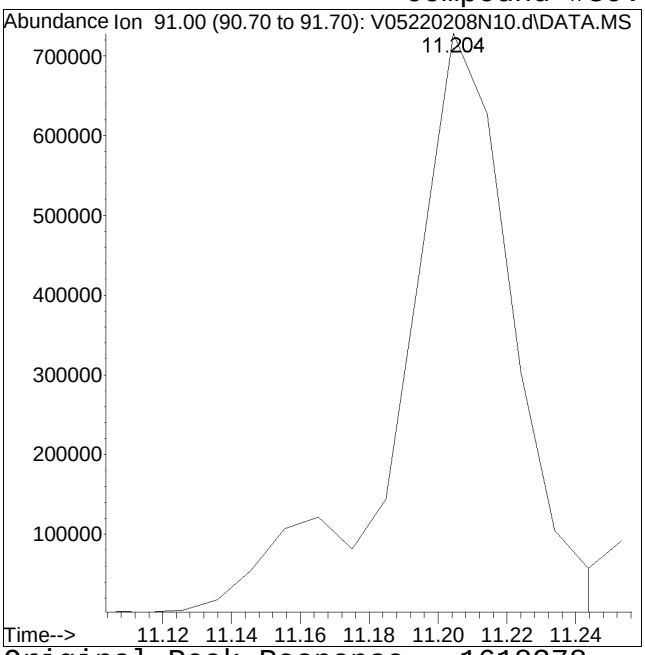
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

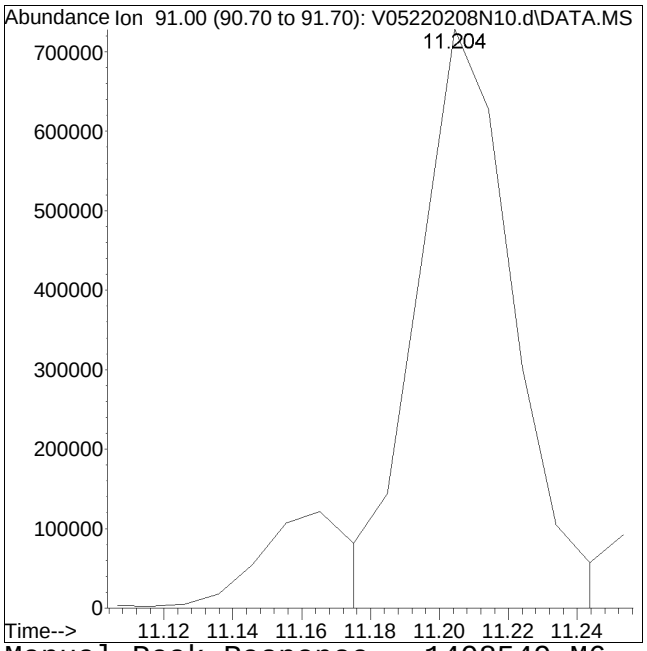
Data Path : I:\VOLATILES\VOA105\2022\2Q
Data File : V05220208N10.d
Date Inj'd : 2/8/2022 7:50 pm
Sample : I8260STD30

Method : V105_220208N_8260.m
Operator : VOA105:PD
Instrument : VOA 105
Quant Date : 2/9/2022 11:36 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 1618378



Manual Peak Response = 1408549 M6

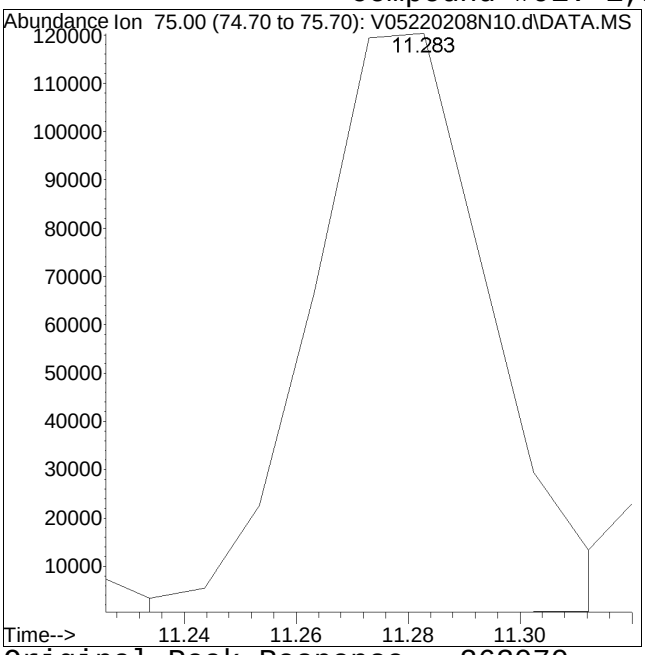
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

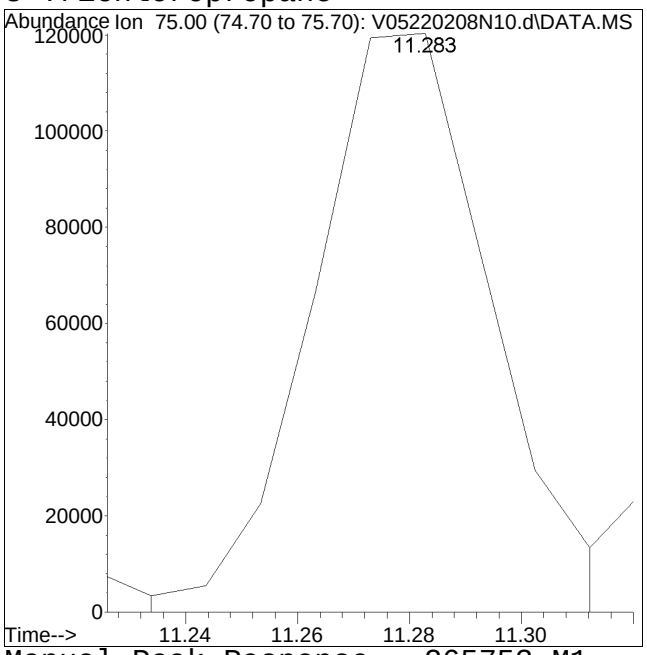
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2Q
Data File : V05220208N10.d
Date Inj'd : 2/8/2022 7:50 pm
Sample : I8260STD30

Method : V105_220208N_8260.m
Operator : VOA105:PD
Instrument : VOA 105
Quant Date : 2/9/2022 11:36 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 263070 Manual Peak Response = 265753 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N11.d
Acq On : 8 Feb 2022 8:13 pm
Operator : VOA105:PD
Sample : I8260STD80
Misc : WG1603077,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 09 11:36:14 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.860	96	595246	10.000	ug/L	0.00
Standard Area 1 = 530622			Recovery = 112.18%			
59) Chlorobenzene-d5	9.373	117	435875	10.000	ug/L	0.00
Standard Area 1 = 398296			Recovery = 109.43%			
79) 1,4-Dichlorobenzene-d4	12.106	152	241685	10.000	ug/L	0.00
Standard Area 1 = 226852			Recovery = 106.54%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	150155	9.684	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.84%			
43) 1,2-Dichloroethane-d4	5.586	65	194983	9.556	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.56%			
60) Toluene-d8	7.533	98	579995	10.190	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.90%			
83) 4-Bromofluorobenzene	10.881	95	217540	9.941	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.41%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.586	85	1157968	90.210	ug/L #	96
3) Chloromethane	1.762	50	1806805	80.837	ug/L	97
4) Vinyl chloride	1.840	62	1424881	87.951	ug/L	92
5) Bromomethane	2.134	94	668199	83.668	ug/L	98
6) Chloroethane	2.251	64	771689	79.684	ug/L	92
7) Trichlorofluoromethane	2.378	101	1718871	90.390	ug/L	100
8) Ethyl ether	2.662	74	410559	82.113	ug/L #	32
10) 1,1-Dichloroethene	2.848	96	960168	86.656	ug/L #	68
11) Carbon disulfide	2.877	76	2768319	86.270	ug/L	100
12) Freon-113	2.887	101	1043640	88.828	ug/L	87
13) Iodomethane	2.994	142	1309075	82.841	ug/L	93
14) Acrolein	3.170	56	152238	84.857	ug/L	99
15) Methylene chloride	3.395	84	1064901	78.983	ug/L #	39
17) Acetone	3.444	43	226376	80.138	ug/L	95
18) trans-1,2-Dichloroethene	3.542	96	1081695	84.159	ug/L #	73
19) Methyl acetate	3.552	43	667713	85.295	ug/L #	74
20) Methyl tert-butyl ether	3.630	73	2233642	86.389	ug/L #	77
21) tert-Butyl alcohol	3.738	59	222443	420.418	ug/L #	84
22) Diisopropyl ether	3.982	45	5169765	86.991	ug/L #	84
23) 1,1-Dichloroethane	4.119	63	2484693	83.728	ug/L	94
24) Halothane	4.168	117	851422	87.583	ug/L	100

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N11.d
Acq On : 8 Feb 2022 8:13 pm
Operator : VOA105:PD
Sample : I8260STD80
Misc : WG1603077,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 09 11:36:14 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.178	53	357344	90.074	ug/L	#	87
26) Ethyl tert-butyl ether	4.325	59	3795193	87.171	ug/L	#	78
27) Vinyl acetate	4.344	43	2703272	89.544	ug/L	#	89
28) cis-1,2-Dichloroethene	4.628	96	1204918	82.075	ug/L	#	75
29) 2,2-Dichloropropane	4.726	77	1747610	91.033	ug/L	#	80
30) Bromochloromethane	4.823	128	523059	82.382	ug/L	#	47
31) Cyclohexane	4.804	56	3135758	92.670	ug/L	#	55
32) Chloroform	4.892	83	2062647	82.830	ug/L	#	93
33) Ethyl acetate	4.999	43	965101	88.506	ug/L	#	88
34) Carbon tetrachloride	5.009	117	1798803	95.553	ug/L		98
35) Tetrahydrofuran	5.039	42	266349M6	77.915	ug/L		
37) 1,1,1-Trichloroethane	5.078	97	1930196	90.044	ug/L		93
39) 2-Butanone	5.185	43	414015	88.573	ug/L	#	54
40) 1,1-Dichloropropene	5.195	75	1655833	90.639	ug/L		98
41) Benzene	5.440	78	4529257	85.414	ug/L	#	84
42) tert-Amyl methyl ether	5.547	73	2348546	87.901	ug/L	#	88
44) 1,2-Dichloroethane	5.655	62	1710288	82.141	ug/L		97
47) Methyl cyclohexane	6.007	83	2155800	90.095	ug/L	#	40
48) Trichloroethene	6.036	95	1204706	78.991	ug/L		96
50) Dibromomethane	6.476	93	592008	84.467	ug/L		96
51) 1,2-Dichloropropane	6.574	63	1429414	85.946	ug/L	#	85
53) 2-Chloroethyl vinyl ether	7.269	63	566237	91.231	ug/L	#	81
54) Bromodichloromethane	6.652	83	1561987	87.582	ug/L		100
57) 1,4-Dioxane	6.868	88	41607	757.926	ug/L	#	56
58) cis-1,3-Dichloropropene	7.337	75	1784529	80.196	ug/L	#	82
61) Toluene	7.591	92	2862426	87.312	ug/L		99
62) 4-Methyl-2-pentanone	8.032	58	334271	91.564	ug/L	#	83
63) Tetrachloroethene	8.032	166	1331238	91.381	ug/L		94
65) trans-1,3-Dichloropropene	8.080	75	1497917	82.054	ug/L	#	80
67) Ethyl methacrylate	8.256	69	1017950	90.979	ug/L		90
68) 1,1,2-Trichloroethane	8.266	83	677303	86.959	ug/L		98
69) Chlorodibromomethane	8.472	129	1083721	91.911	ug/L		98
70) 1,3-Dichloropropane	8.589	76	1630036	88.174	ug/L		99
71) 1,2-Dibromoethane	8.746	107	888948	81.487	ug/L		100
72) 2-Hexanone	9.030	43	605582	92.690	ug/L		95
73) Chlorobenzene	9.392	112	3102671	85.101	ug/L		95
74) Ethylbenzene	9.422	91	5684612	87.388	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.480	131	1137308	90.295	ug/L		100
76) p/m Xylene	9.608	106	4283587	176.697	ug/L		92
77) o Xylene	10.156	106	4049632	174.926	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N11.d
Acq On : 8 Feb 2022 8:13 pm
Operator : VOA105:PD
Sample : I8260STD80
Misc : WG1603077,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 09 11:36:14 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.225	104	6695303	176.956	ug/L		95
80)	Bromoform	10.264	173	607746	81.494	ug/L		97
82)	Isopropylbenzene	10.548	105	5925834	87.949	ug/L		98
84)	Bromobenzene	10.999	156	1277905	85.175	ug/L		100
85)	n-Propylbenzene	11.038	91	6888247	89.213	ug/L		98
86)	1,4-Dichlorobutane	11.067	55	1994322	84.920	ug/L	#	88
87)	1,1,2,2-Tetrachloroethane	11.146	83	879597	83.997	ug/L		99
88)	4-Ethyltoluene	11.165	105	5660133	88.106	ug/L		100
89)	2-Chlorotoluene	11.204	91	4009359M6	85.347	ug/L		
90)	1,3,5-Trimethylbenzene	11.263	105	4855511	86.418	ug/L		97
91)	1,2,3-Trichloropropane	11.283	75	768728M1	83.538	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.332	53	338702	84.064	ug/L	#	92
93)	4-Chlorotoluene	11.391	91	4128161	84.360	ug/L		97
94)	tert-Butylbenzene	11.606	119	4273523	88.422	ug/L		92
97)	1,2,4-Trimethylbenzene	11.684	105	4788456	87.408	ug/L		98
98)	sec-Butylbenzene	11.792	105	6238809	90.579	ug/L		100
99)	p-Isopropyltoluene	11.959	119	5374739	90.496	ug/L		98
100)	1,3-Dichlorobenzene	12.027	146	2520026	86.041	ug/L		99
101)	1,4-Dichlorobenzene	12.125	146	2513684	84.737	ug/L		98
102)	p-Diethylbenzene	12.331	119	3066710	91.164	ug/L		100
103)	n-Butylbenzene	12.390	91	4494780	91.957	ug/L		99
104)	1,2-Dichlorobenzene	12.546	146	2222377	84.144	ug/L		99
105)	1,2,4,5-Tetramethylben...	13.124	119	4412732	89.802	ug/L		97
106)	1,2-Dibromo-3-chloropr...	13.330	155	133533	78.796	ug/L		100
107)	1,3,5-Trichlorobenzene	13.360	180	1620299	86.850	ug/L		99
108)	Hexachlorobutadiene	13.928	225	682053	90.359	ug/L		100
109)	1,2,4-Trichlorobenzene	13.957	180	1336943	87.527	ug/L		98
110)	Naphthalene	14.251	128	2541659	87.198	ug/L		100
111)	1,2,3-Trichlorobenzene	14.417	180	1077734	85.044	ug/L		99

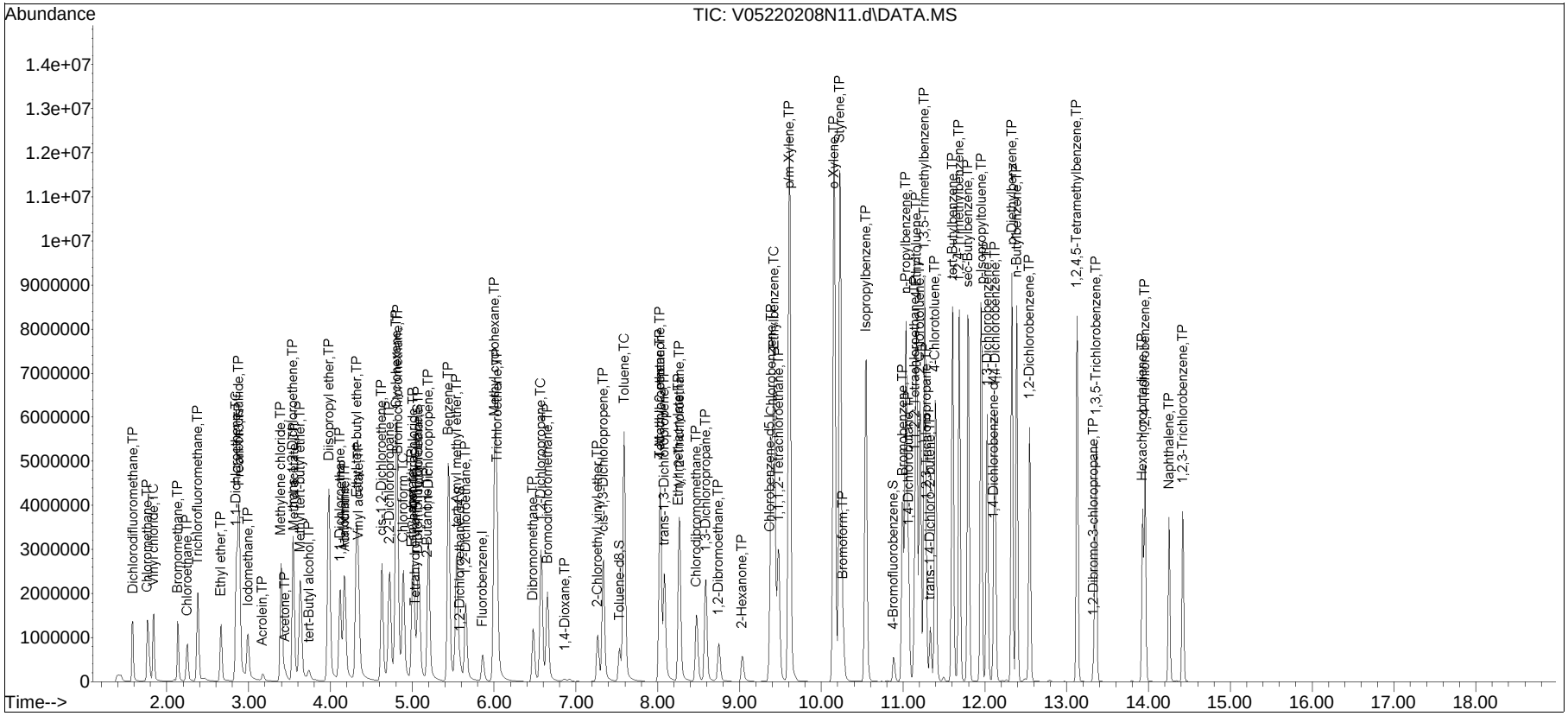
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N11.d
Acq On : 8 Feb 2022 8:13 pm
Operator : VOA105:PD
Sample : I8260STD80
Misc : WG1603077,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 09 11:36:14 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

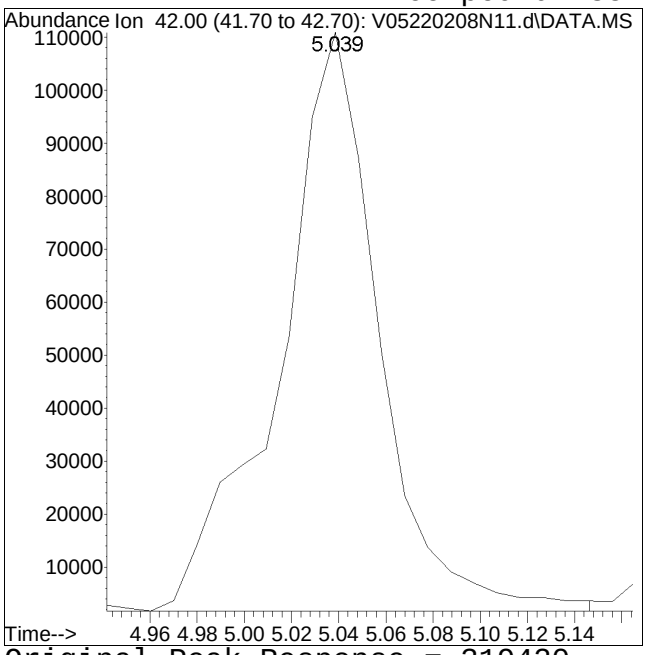
Sub List : 8260-Curve - Megamix plus Diox20208N-ICAL\V05220208N09.d•



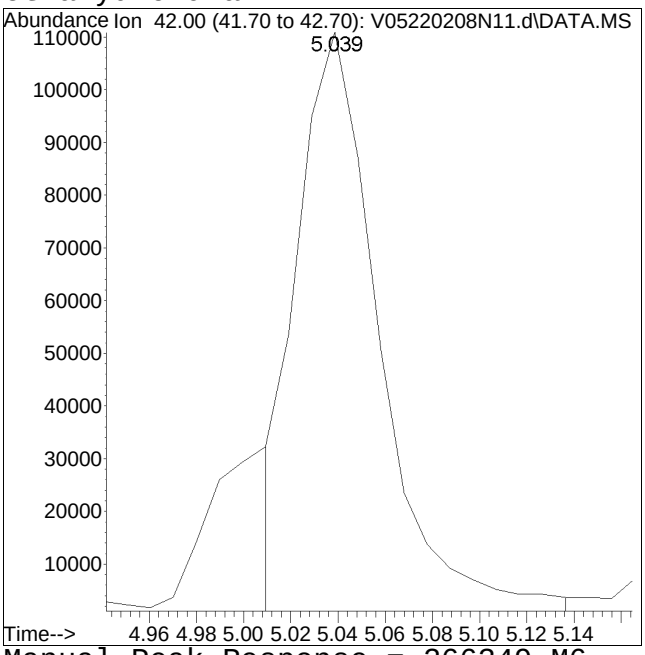
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220208N11.d Operator : VOA105:PD
Date Inj'd : 2/8/2022 8:13 pm Instrument : VOA 105
Sample : I8260STD80 Quant Date : 2/9/2022 11:36 am

Compound #35: Tetrahydrofuran



Original Peak Response = 319420



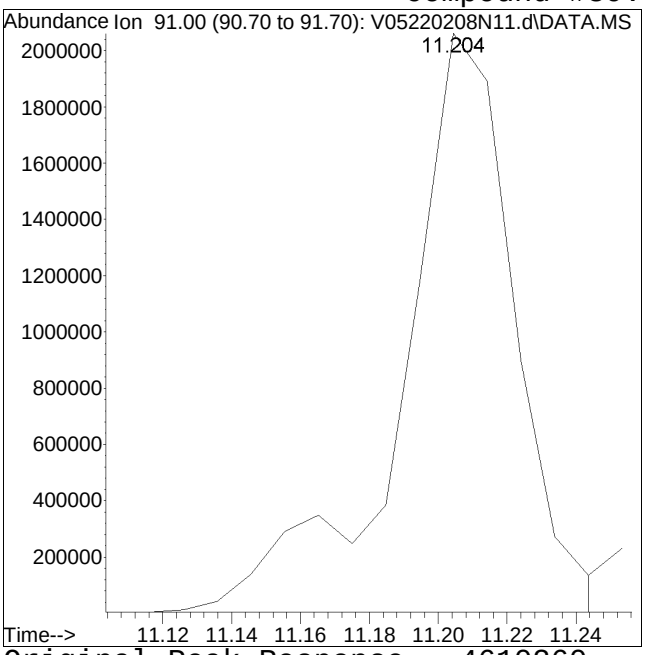
Manual Peak Response = 266349 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

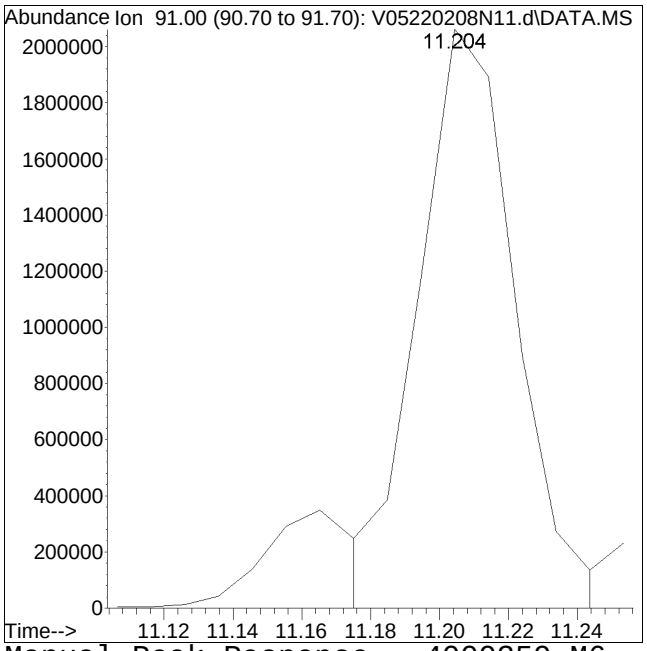
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220208N11.d Operator : VOA105:PD
Date Inj'd : 2/8/2022 8:13 pm Instrument : VOA 105
Sample : I8260STD80 Quant Date : 2/9/2022 11:36 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 4610260



Manual Peak Response = 4009359 M6

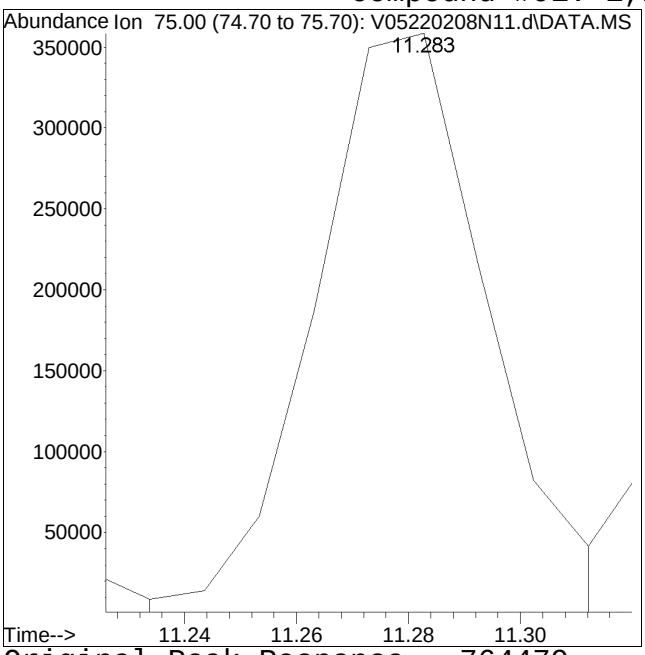
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

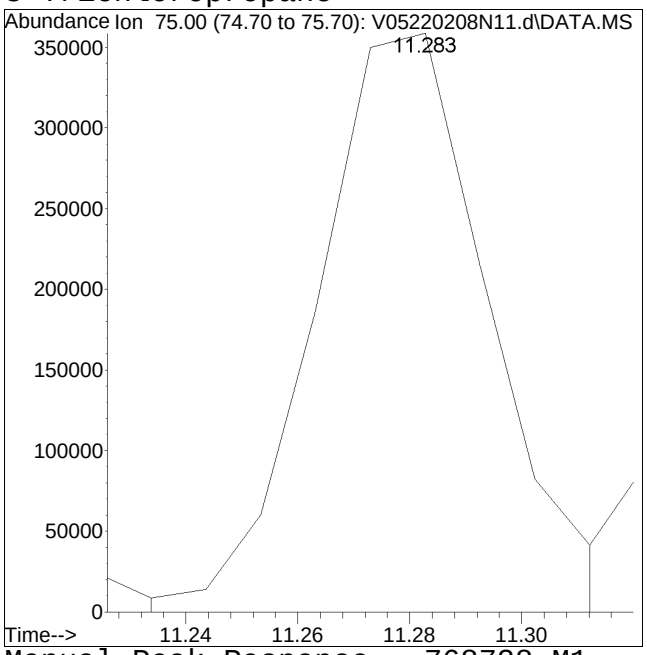
Data Path : I:\VOLATILES\VOA105\2022\2Q
Data File : V05220208N11.d
Date Inj'd : 2/8/2022 8:13 pm
Sample : I8260STD80

Method : V105_220208N_8260.m
Operator : VOA105:PD
Instrument : VOA 105
Quant Date : 2/9/2022 11:36 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 764479



Manual Peak Response = 768728 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N12.d
Acq On : 8 Feb 2022 8:36 pm
Operator : VOA105:PD
Sample : I8260STD120
Misc : WG1603077,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 09 11:36:22 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.860	96	615348	10.000	ug/L	0.00
Standard Area 1 = 530622			Recovery = 115.97%			
59) Chlorobenzene-d5	9.373	117	456897	10.000	ug/L	0.00
Standard Area 1 = 398296			Recovery = 114.71%			
79) 1,4-Dichlorobenzene-d4	12.106	152	249686	10.000	ug/L	0.00
Standard Area 1 = 226852			Recovery = 110.07%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	155804	9.720	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.20%			
43) 1,2-Dichloroethane-d4	5.587	65	203381	9.642	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.42%			
60) Toluene-d8	7.533	98	604321	10.129	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.29%			
83) 4-Bromofluorobenzene	10.881	95	226976	10.040	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.576	85	1719111	129.550	ug/L #	96
3) Chloromethane	1.762	50	2754959	119.231	ug/L	97
4) Vinyl chloride	1.840	62	2177963	130.043	ug/L	93
5) Bromomethane	2.134	94	1092653	132.346	ug/L	99
6) Chloroethane	2.251	64	1177291	117.594	ug/L	91
7) Trichlorofluoromethane	2.378	101	2573654	130.919	ug/L	100
8) Ethyl ether	2.662	74	635419	122.934	ug/L #	32
10) 1,1-Dichloroethene	2.848	96	1453649	126.907	ug/L #	69
11) Carbon disulfide	2.877	76	4272909	128.809	ug/L	100
12) Freon-113	2.887	101	1566882	129.006	ug/L	84
13) Iodomethane	2.995	142	2000971	121.988	ug/L	93
14) Acrolein	3.171	56	238314	128.496	ug/L	100
15) Methylene chloride	3.396	84	1661916	119.236	ug/L #	39
17) Acetone	3.445	43	355162	121.622	ug/L	96
18) trans-1,2-Dichloroethene	3.542	96	1672253	125.856	ug/L #	73
19) Methyl acetate	3.552	43	1032863	127.629	ug/L #	74
20) Methyl tert-butyl ether	3.630	73	3467819	129.741	ug/L #	77
21) tert-Butyl alcohol	3.738	59	356379	651.554	ug/L #	85
22) Diisopropyl ether	3.982	45	8025612	130.634	ug/L #	84
23) 1,1-Dichloroethane	4.119	63	3831275	124.887	ug/L	94
24) Halothane	4.168	117	1308314	130.185	ug/L	99

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N12.d
Acq On : 8 Feb 2022 8:36 pm
Operator : VOA105:PD
Sample : I8260STD120
Misc : WG1603077,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 09 11:36:22 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.178	53	552499	134.717	ug/L	#	86
26) Ethyl tert-butyl ether	4.325	59	5948278	132.161	ug/L	#	78
27) Vinyl acetate	4.344	43	4257297	136.414	ug/L	#	90
28) cis-1,2-Dichloroethene	4.628	96	1863239	122.772	ug/L	#	75
29) 2,2-Dichloropropane	4.726	77	2709293	136.516	ug/L	#	82
30) Bromochloromethane	4.824	128	806079	122.810	ug/L	#	47
31) Cyclohexane	4.804	56	4708638	134.607	ug/L	#	55
32) Chloroform	4.892	83	3197113	124.194	ug/L	#	93
33) Ethyl acetate	4.990	43	1499099	132.987	ug/L	#	89
34) Carbon tetrachloride	5.009	117	2752866	141.456	ug/L		99
35) Tetrahydrofuran	5.039	42	433589M6	122.694	ug/L		
37) 1,1,1-Trichloroethane	5.078	97	2959294	133.542	ug/L		93
39) 2-Butanone	5.186	43	634779	131.366	ug/L	#	55
40) 1,1-Dichloropropene	5.195	75	2544391	134.728	ug/L		99
41) Benzene	5.440	78	7012761	127.928	ug/L	#	84
42) tert-Amyl methyl ether	5.547	73	3721973	134.755	ug/L		89
44) 1,2-Dichloroethane	5.655	62	2639202	122.614	ug/L		97
47) Methyl cyclohexane	6.007	83	3273684	132.343	ug/L	#	41
48) Trichloroethene	6.036	95	1875468	118.955	ug/L		97
50) Dibromomethane	6.477	93	922855	127.370	ug/L		96
51) 1,2-Dichloropropane	6.574	63	2213090	128.718	ug/L	#	85
53) 2-Chloroethyl vinyl ether	7.269	63	851814	132.759	ug/L	#	81
54) Bromodichloromethane	6.653	83	2452007	132.995	ug/L		100
57) 1,4-Dioxane	6.858	88	64234	1131.882	ug/L	#	55
58) cis-1,3-Dichloropropene	7.337	75	2823026	122.526	ug/L	#	83
61) Toluene	7.592	92	4468977	130.044	ug/L		100
62) 4-Methyl-2-pentanone	8.032	58	521141	136.184	ug/L	#	85
63) Tetrachloroethene	8.032	166	2045858	133.974	ug/L		94
65) trans-1,3-Dichloropropene	8.081	75	2394452	118.687	ug/L	#	81
67) Ethyl methacrylate	8.266	69	1569605	133.828	ug/L		91
68) 1,1,2-Trichloroethane	8.266	83	1048639	128.441	ug/L		98
69) Chlorodibromomethane	8.472	129	1706955	138.107	ug/L		99
70) 1,3-Dichloropropane	8.589	76	2531302	130.626	ug/L		99
71) 1,2-Dibromoethane	8.746	107	1386759	121.146	ug/L		100
72) 2-Hexanone	9.030	43	947090	138.291	ug/L		95
73) Chlorobenzene	9.392	112	4795025	125.468	ug/L		95
74) Ethylbenzene	9.422	91	8790399	128.914	ug/L		96
75) 1,1,1,2-Tetrachloroethane	9.480	131	1803541	136.602	ug/L		99
76) p/m Xylene	9.608	106	6661347	262.137	ug/L		90
77) o Xylene	10.156	106	6284280	258.964	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N12.d
Acq On : 8 Feb 2022 8:36 pm
Operator : VOA105:PD
Sample : I8260STD120
Misc : WG1603077,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 09 11:36:22 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.235	104	10392648	262.038	ug/L		95
80)	Bromoform	10.264	173	970655	122.112	ug/L		97
82)	Isopropylbenzene	10.548	105	9141172	131.322	ug/L		98
84)	Bromobenzene	10.999	156	1985435	128.094	ug/L		99
85)	n-Propylbenzene	11.038	91	10593146	132.801	ug/L		97
86)	1,4-Dichlorobutane	11.067	55	3138479	129.357	ug/L	#	89
87)	1,1,2,2-Tetrachloroethane	11.146	83	1378378	127.411	ug/L		99
88)	4-Ethyltoluene	11.165	105	8779601	132.285	ug/L		99
89)	2-Chlorotoluene	11.205	91	6200949M6	127.769	ug/L		
90)	1,3,5-Trimethylbenzene	11.263	105	7588415	130.731	ug/L		97
91)	1,2,3-Trichloropropane	11.283	75	1206054M1	126.863	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.332	53	557011	133.817	ug/L	#	91
93)	4-Chlorotoluene	11.401	91	6443945	127.464	ug/L		97
94)	tert-Butylbenzene	11.606	119	6589008	131.963	ug/L		93
97)	1,2,4-Trimethylbenzene	11.685	105	7384648	130.478	ug/L		97
98)	sec-Butylbenzene	11.802	105	9462378	132.978	ug/L		99
99)	p-Isopropyltoluene	11.959	119	8219322	133.956	ug/L		98
100)	1,3-Dichlorobenzene	12.027	146	3881537	128.281	ug/L		99
101)	1,4-Dichlorobenzene	12.125	146	3880572	126.623	ug/L		98
102)	p-Diethylbenzene	12.331	119	4755464	136.835	ug/L		100
103)	n-Butylbenzene	12.390	91	6909647	136.832	ug/L		99
104)	1,2-Dichlorobenzene	12.547	146	3445897	126.288	ug/L		99
105)	1,2,4,5-Tetramethylben...	13.125	119	6746047	132.887	ug/L		97
106)	1,2-Dibromo-3-chloropr...	13.330	155	210977	120.295	ug/L		98
107)	1,3,5-Trichlorobenzene	13.360	180	2465906	127.940	ug/L		99
108)	Hexachlorobutadiene	13.928	225	1035872	132.836	ug/L		99
109)	1,2,4-Trichlorobenzene	13.957	180	2061490	130.637	ug/L		98
110)	Naphthalene	14.251	128	3987265	132.409	ug/L		100
111)	1,2,3-Trichlorobenzene	14.418	180	1661693	126.922	ug/L		99

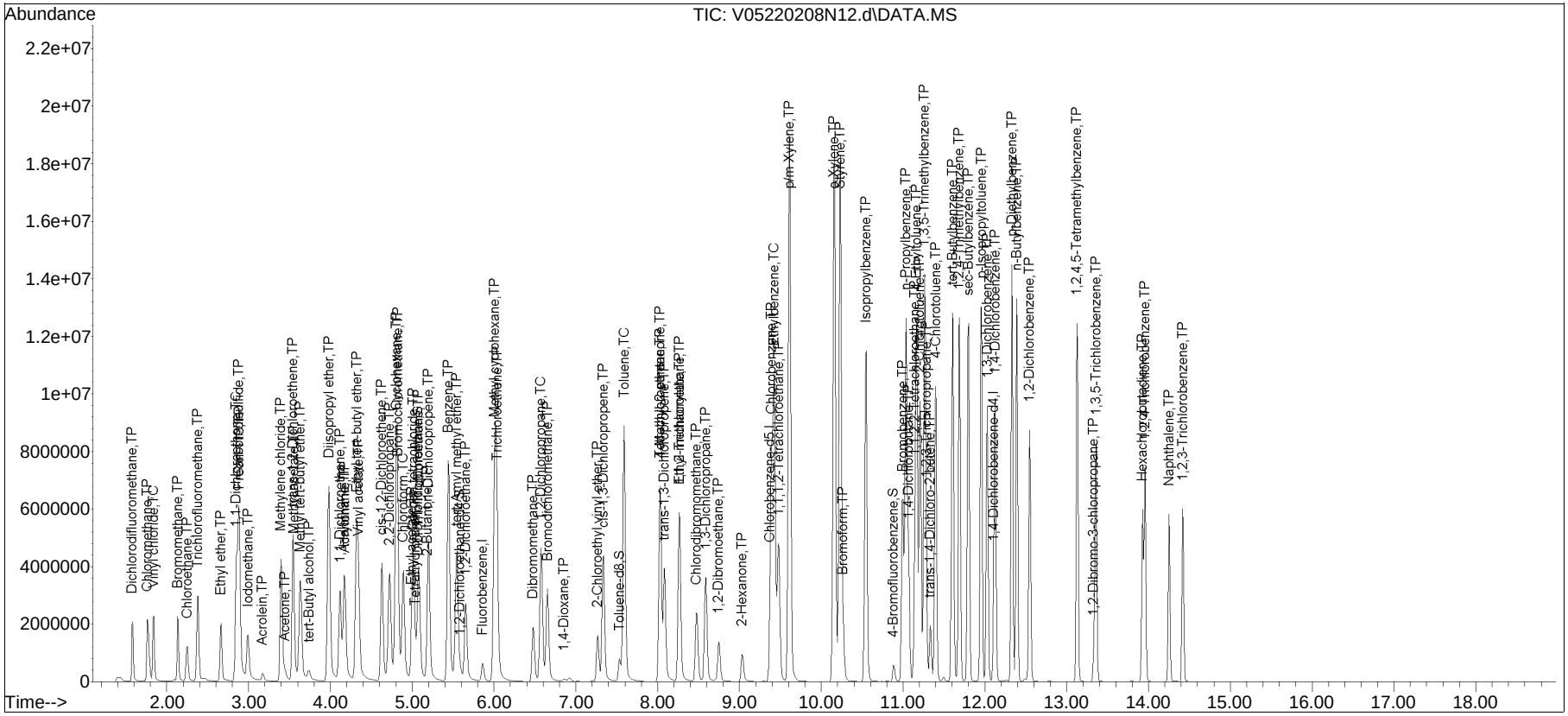
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N12.d
Acq On : 8 Feb 2022 8:36 pm
Operator : VOA105:PD
Sample : I8260STD120
Misc : WG1603077,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 09 11:36:22 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

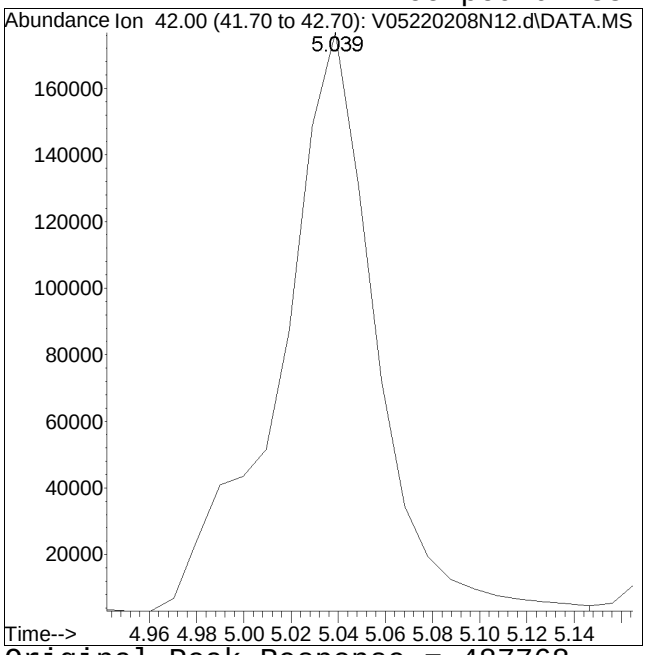
Sub List : 8260-Curve - Megamix plus Diox20208N-ICAL\V05220208N09.d•



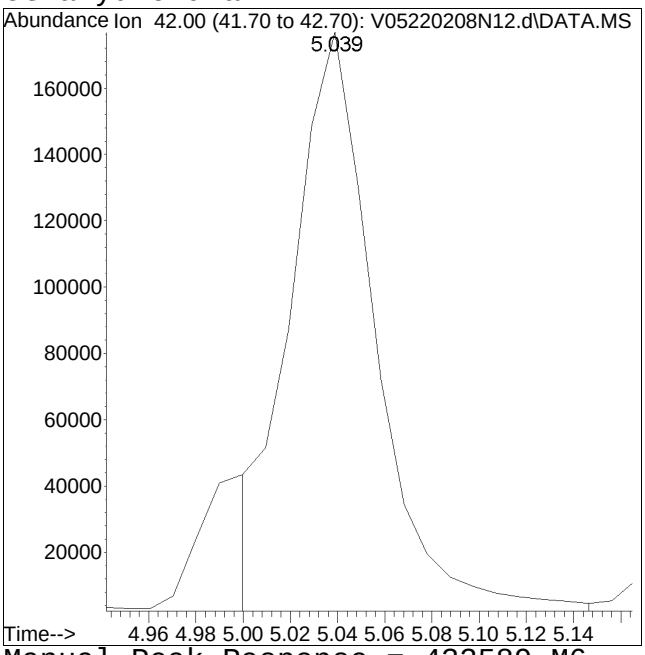
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220208N12.d Operator : VOA105:PD
Date Inj'd : 2/8/2022 8:36 pm Instrument : VOA 105
Sample : I8260STD120 Quant Date : 2/9/2022 11:36 am

Compound #35: Tetrahydrofuran



Original Peak Response = 487768



Manual Peak Response = 433589 M6

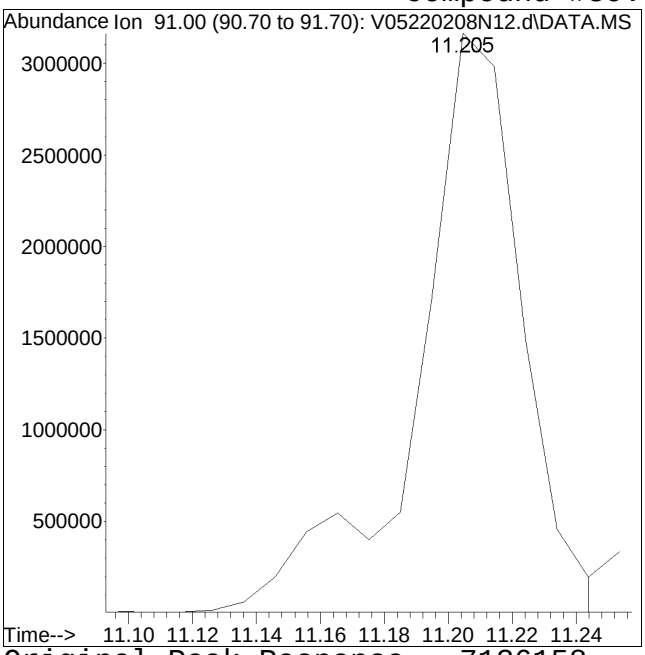
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

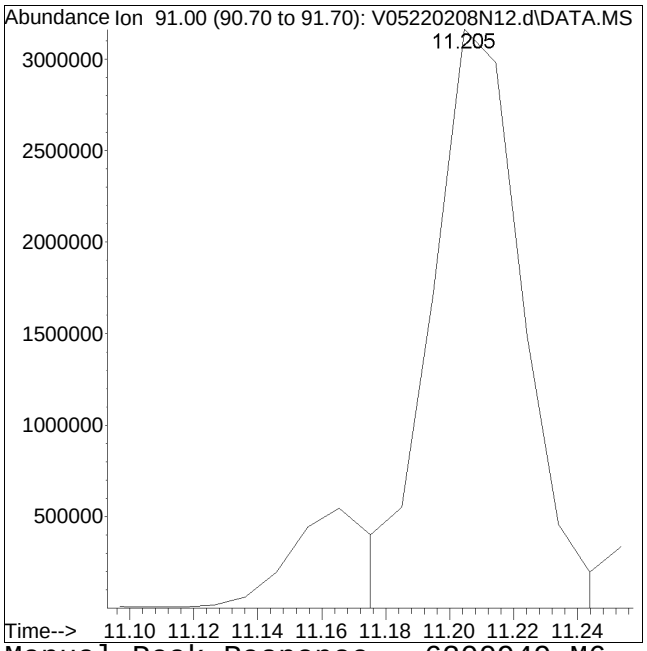
Data Path : I:\VOLATILES\VOA105\2022\2Q
Data File : V05220208N12.d
Date Inj'd : 2/8/2022 8:36 pm
Sample : I8260STD120

Method : V105_220208N_8260.m
Operator : VOA105:PD
Instrument : VOA 105
Quant Date : 2/9/2022 11:36 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 7136158



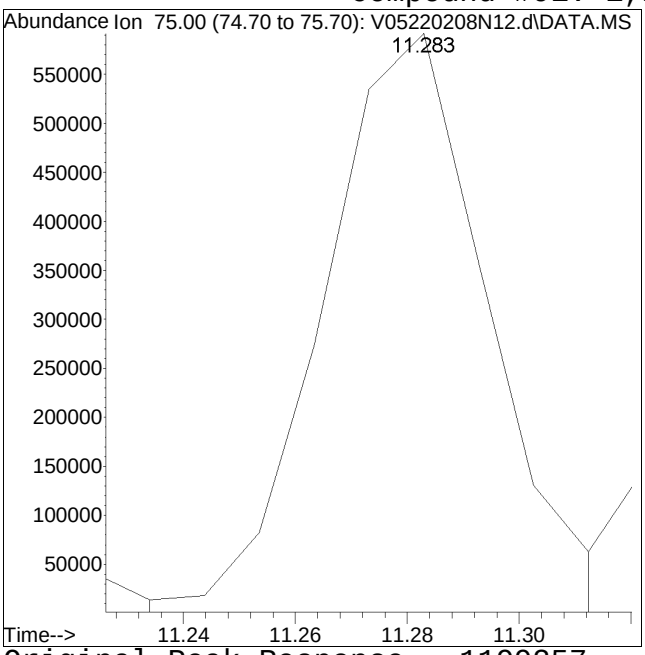
Manual Peak Response = 6200949 M6

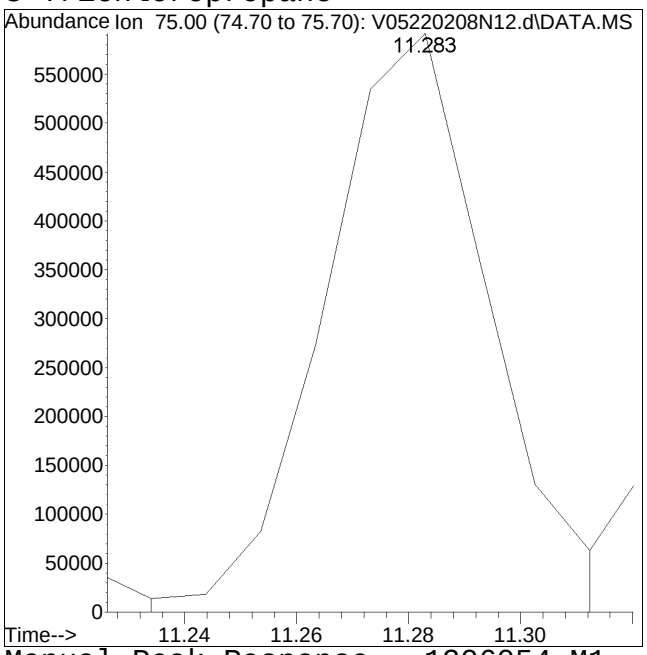
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220208N12.d Operator : VOA105:PD
Date Inj'd : 2/8/2022 8:36 pm Instrument : VOA 105
Sample : I8260STD120 Quant Date : 2/9/2022 11:36 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 1199257 Manual Peak Response = 1206054 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N13.d
Acq On : 8 Feb 2022 8:59 pm
Operator : VOA105:PD
Sample : I8260STD200
Misc : WG1603077,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 09 11:36:30 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.860	96	647671	10.000	ug/L	0.00
Standard Area 1 = 530622			Recovery = 122.06%			
59) Chlorobenzene-d5	9.373	117	486534	10.000	ug/L	0.00
Standard Area 1 = 398296			Recovery = 122.15%			
79) 1,4-Dichlorobenzene-d4	12.106	152	259594	10.000	ug/L	0.00
Standard Area 1 = 226852			Recovery = 114.43%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	161189	9.554	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.54%			
43) 1,2-Dichloroethane-d4	5.586	65	213480	9.616	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.16%			
60) Toluene-d8	7.533	98	628274	9.889	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.89%			
83) 4-Bromofluorobenzene	10.881	95	239672	10.197	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.97%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.576	85	2846291	203.789	ug/L #	97
3) Chloromethane	1.762	50	4714111	193.838	ug/L	97
4) Vinyl chloride	1.831	62	3696248	209.683	ug/L	92
5) Bromomethane	2.134	94	1936443	222.844	ug/L	99
6) Chloroethane	2.241	64	1966434	186.616	ug/L	92
7) Trichlorofluoromethane	2.378	101	4351384	210.304	ug/L	100
8) Ethyl ether	2.662	74	1093884	201.072	ug/L #	35
10) 1,1-Dichloroethene	2.848	96	2503995	207.695	ug/L #	70
11) Carbon disulfide	2.877	76	7442557	213.162	ug/L	100
12) Freon-113	2.877	101	2665310	208.492	ug/L	81
13) Iodomethane	2.985	142	3387239	195.558	ug/L	93
14) Acrolein	3.171	56	421023	215.682	ug/L	99
15) Methylene chloride	3.396	84	2869310	195.588	ug/L #	41
17) Acetone	3.444	43	636178	206.981	ug/L	97
18) trans-1,2-Dichloroethene	3.542	96	2873657	205.482	ug/L	74
19) Methyl acetate	3.552	43	1779715	208.941	ug/L #	75
20) Methyl tert-butyl ether	3.630	73	6034898	214.515	ug/L #	79
21) tert-Butyl alcohol	3.738	59	659970	1146.380	ug/L	87
22) Diisopropyl ether	3.982	45	13494813	208.695	ug/L #	85
23) 1,1-Dichloroethane	4.119	63	6551525	202.900	ug/L	94
24) Halothane	4.168	117	2254145	213.107	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N13.d
Acq On : 8 Feb 2022 8:59 pm
Operator : VOA105:PD
Sample : I8260STD200
Misc : WG1603077,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 09 11:36:30 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.178	53	963047	223.102	ug/L	#	85
26) Ethyl tert-butyl ether	4.325	59	10216771	215.672	ug/L	#	78
27) Vinyl acetate	4.344	43	7274737	221.466	ug/L	#	90
28) cis-1,2-Dichloroethene	4.628	96	3219400	201.544	ug/L	#	75
29) 2,2-Dichloropropane	4.726	77	4706945	225.338	ug/L		83
30) Bromochloromethane	4.824	128	1355823	196.257	ug/L	#	49
31) Cyclohexane	4.804	56	7871943	213.806	ug/L	#	56
32) Chloroform	4.892	83	5528956	204.056	ug/L	#	93
33) Ethyl acetate	4.990	43	2576697	217.174	ug/L	#	89
34) Carbon tetrachloride	5.009	117	4763001	232.532	ug/L		98
35) Tetrahydrofuran	5.039	42	732194M6	196.850	ug/L		
37) 1,1,1-Trichloroethane	5.078	97	5084259	217.984	ug/L		93
39) 2-Butanone	5.176	43	1091964	214.702	ug/L	#	55
40) 1,1-Dichloropropene	5.195	75	4354938	219.091	ug/L		99
41) Benzene	5.440	78	11979275	207.621	ug/L	#	84
42) tert-Amyl methyl ether	5.547	73	6469989	222.557	ug/L		91
44) 1,2-Dichloroethane	5.655	62	4515290	199.306	ug/L		97
47) Methyl cyclohexane	6.007	83	5558418	213.493	ug/L	#	43
48) Trichloroethene	6.036	95	3231743	194.750	ug/L		97
50) Dibromomethane	6.477	93	1609772	211.088	ug/L		96
51) 1,2-Dichloropropane	6.574	63	3797494	209.848	ug/L	#	85
53) 2-Chloroethyl vinyl ether	7.269	63	1326333	196.399	ug/L	#	82
54) Bromodichloromethane	6.653	83	4255126	219.277	ug/L		100
57) 1,4-Dioxane	6.868	88	121378	2032.088	ug/L	#	56
58) cis-1,3-Dichloropropene	7.337	75	4873794	200.741	ug/L	#	83
61) Toluene	7.592	92	7757943	211.999	ug/L		98
62) 4-Methyl-2-pentanone	8.032	58	893294	219.215	ug/L	#	87
63) Tetrachloroethene	8.032	166	3514703	216.141	ug/L		94
65) trans-1,3-Dichloropropene	8.081	75	4224836	180.999	ug/L		82
67) Ethyl methacrylate	8.266	69	2712631	217.197	ug/L		90
68) 1,1,2-Trichloroethane	8.266	83	1814804	208.743	ug/L		97
69) Chlorodibromomethane	8.482	129	3004938	228.315	ug/L		98
70) 1,3-Dichloropropane	8.589	76	4390054	212.746	ug/L		99
71) 1,2-Dibromoethane	8.746	107	2410375	197.580	ug/L		99
72) 2-Hexanone	9.030	43	1638551	224.681	ug/L		96
73) Chlorobenzene	9.392	112	8397813	206.353	ug/L		95
74) Ethylbenzene	9.422	91	15044311	207.191	ug/L		95
75) 1,1,1,2-Tetrachloroethane	9.480	131	3150439	224.081	ug/L		99
76) p/m Xylene	9.618	106	11499548	424.964	ug/L		77
77) o Xylene	10.166	106	10850208	419.881	ug/L		78

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N13.d
Acq On : 8 Feb 2022 8:59 pm
Operator : VOA105:PD
Sample : I8260STD200
Misc : WG1603077,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 09 11:36:30 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.235	104	17425328	412.595	ug/L		98
80)	Bromoform	10.264	173	1732320	198.451	ug/L		96
82)	Isopropylbenzene	10.548	105	15403432	212.839	ug/L		96
84)	Bromobenzene	10.999	156	3486632	216.360	ug/L		100
85)	n-Propylbenzene	11.038	91	16815736	202.764	ug/L		93
86)	1,4-Dichlorobutane	11.067	55	5345457	211.912	ug/L	#	89
87)	1,1,2,2-Tetrachloroethane	11.146	83	2393269	212.779	ug/L		99
88)	4-Ethyltoluene	11.165	105	14631271	212.039	ug/L		97
89)	2-Chlorotoluene	11.214	91	10724867M6	212.549	ug/L		
90)	1,3,5-Trimethylbenzene	11.263	105	12635105	209.365	ug/L		96
91)	1,2,3-Trichloropropane	11.283	75	2053634M1	207.774	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.332	53	981930	226.896	ug/L	#	90
93)	4-Chlorotoluene	11.400	91	11031539	209.880	ug/L		96
94)	tert-Butylbenzene	11.606	119	11193347	215.621	ug/L		91
97)	1,2,4-Trimethylbenzene	11.694	105	12417273	211.025	ug/L		96
98)	sec-Butylbenzene	11.802	105	15422706	208.468	ug/L		97
99)	p-Isopropyltoluene	11.959	119	13579218	212.863	ug/L		98
100)	1,3-Dichlorobenzene	12.027	146	6688166	212.601	ug/L		99
101)	1,4-Dichlorobenzene	12.125	146	6649354	208.687	ug/L		98
102)	p-Diethylbenzene	12.331	119	8119895	224.727	ug/L		99
103)	n-Butylbenzene	12.390	91	11578650	220.541	ug/L		98
104)	1,2-Dichlorobenzene	12.547	146	5936191	209.251	ug/L		99
105)	1,2,4,5-Tetramethylben...	13.134	119	11321454	214.504	ug/L		96
106)	1,2-Dibromo-3-chloropr...	13.330	155	372194	203.841	ug/L		95
107)	1,3,5-Trichlorobenzene	13.360	180	4205744	209.881	ug/L		99
108)	Hexachlorobutadiene	13.928	225	1777377	219.225	ug/L		99
109)	1,2,4-Trichlorobenzene	13.957	180	3551573	216.473	ug/L		98
110)	Naphthalene	14.251	128	6822535	217.916	ug/L		100
111)	1,2,3-Trichlorobenzene	14.418	180	2856495	209.855	ug/L		99

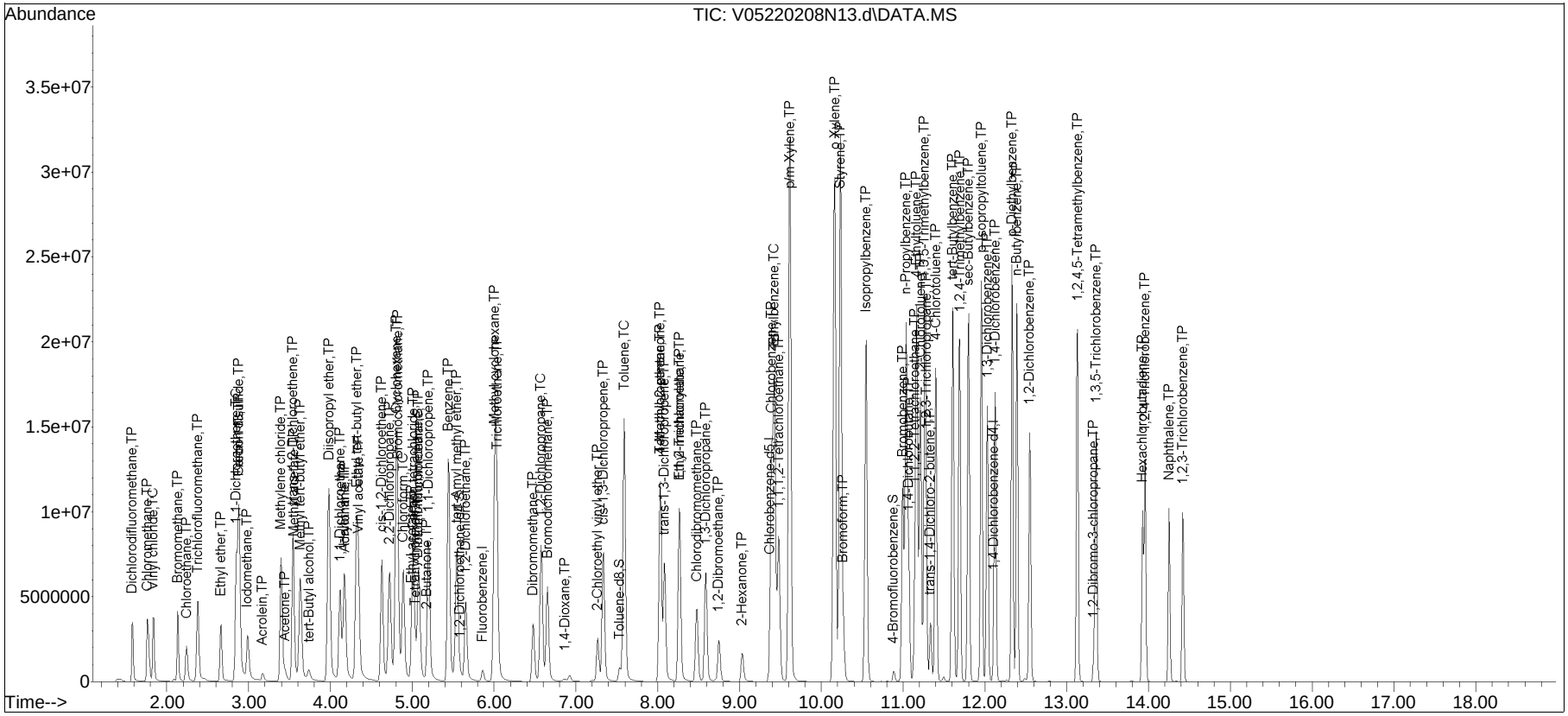
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N13.d
Acq On : 8 Feb 2022 8:59 pm
Operator : VOA105:PD
Sample : I8260STD200
Misc : WG1603077,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 09 11:36:30 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

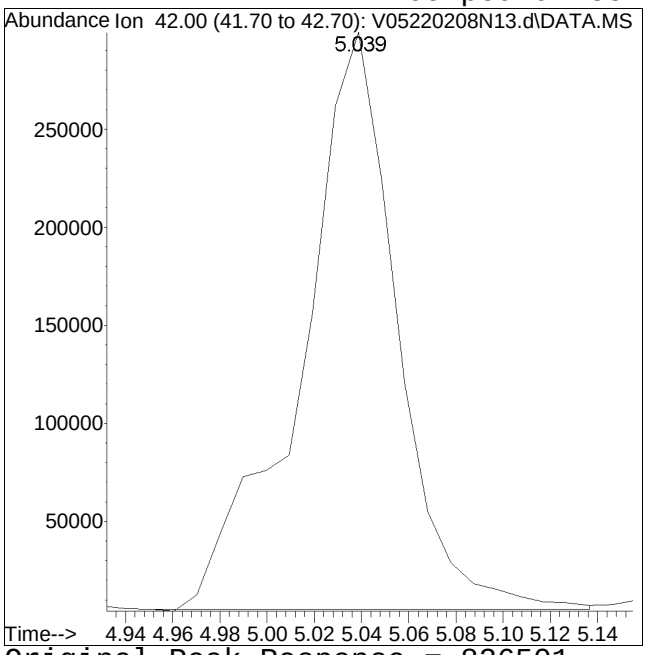
Sub List : 8260-Curve - Megamix plus Diox20208N-ICAL\V05220208N09.d•



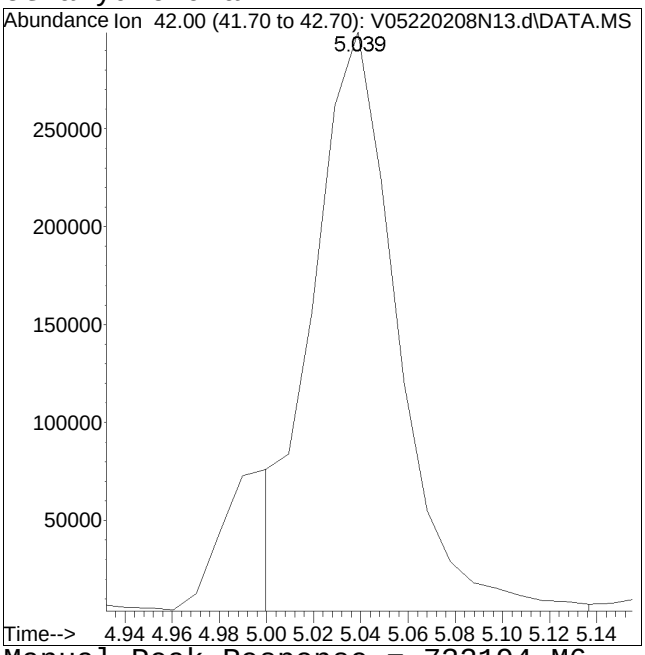
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220208N13.d Operator : VOA105:PD
Date Inj'd : 2/8/2022 8:59 pm Instrument : VOA 105
Sample : I8260STD200 Quant Date : 2/9/2022 11:36 am

Compound #35: Tetrahydrofuran



Original Peak Response = 826501



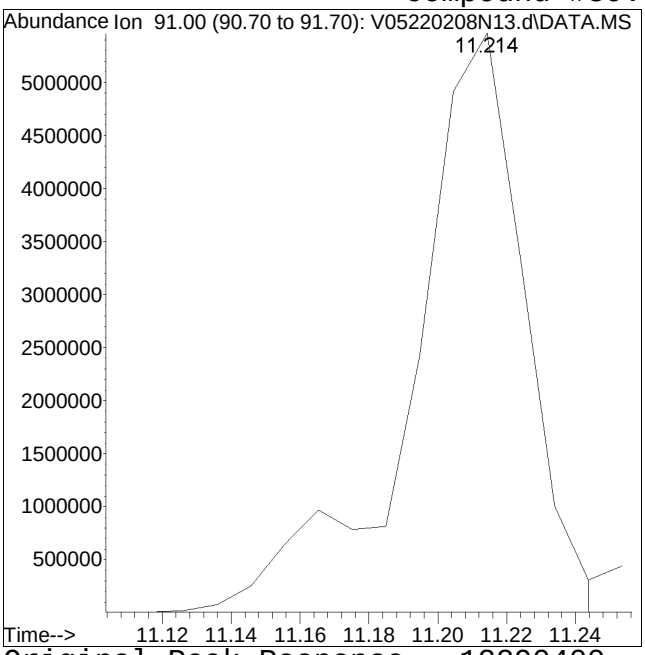
Manual Peak Response = 732194 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

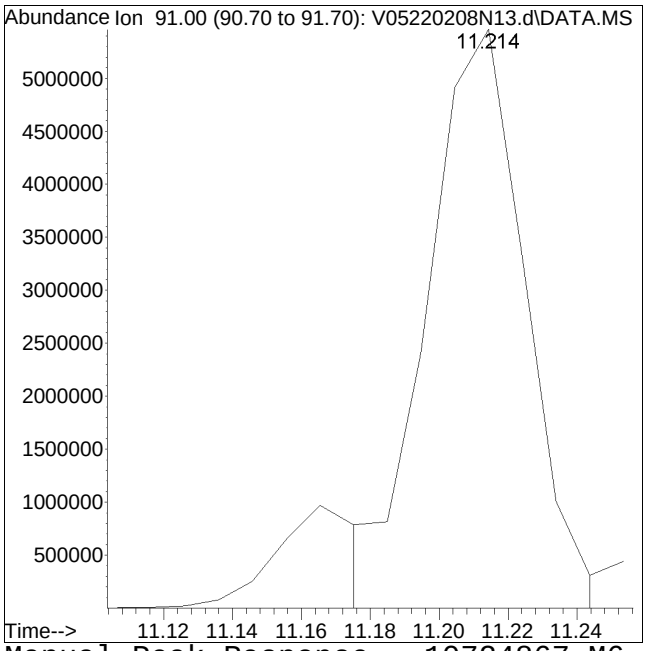
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220208N13.d Operator : VOA105:PD
Date Inj'd : 2/8/2022 8:59 pm Instrument : VOA 105
Sample : I8260STD200 Quant Date : 2/9/2022 11:36 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 12290400



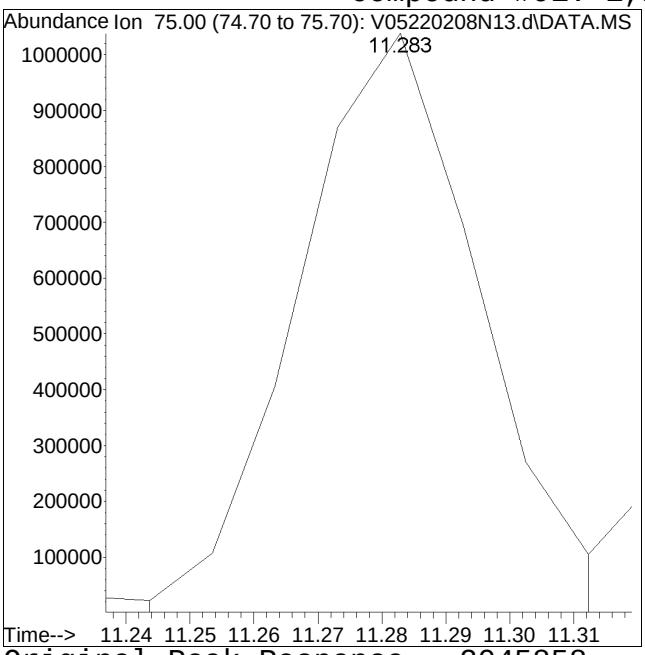
Manual Peak Response = 10724867 M6

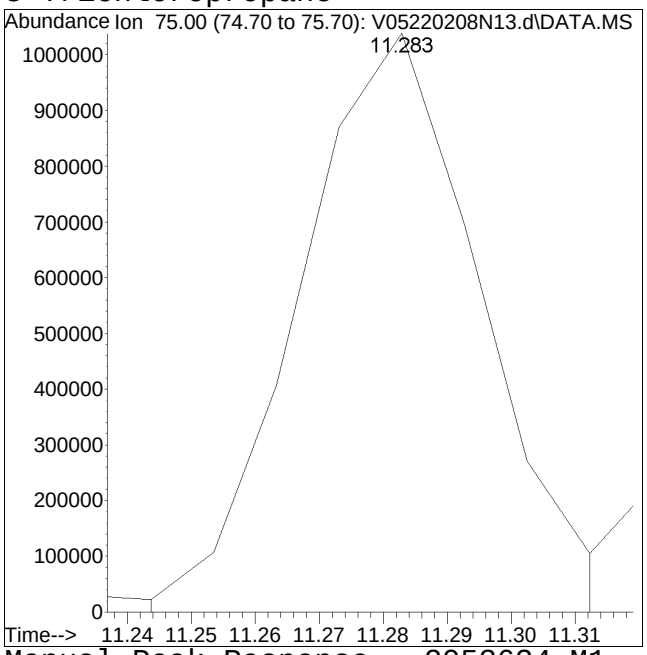
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220208N13.d Operator : VOA105:PD
Date Inj'd : 2/8/2022 8:59 pm Instrument : VOA 105
Sample : I8260STD200 Quant Date : 2/9/2022 11:36 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 2045858 Manual Peak Response = 2053634 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N18.d
Acq On : 8 Feb 2022 10:54 pm
Operator : VOA105:PD
Sample : C8260STD10
Misc : WG1603077,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 09 11:39:42 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	110	0.00
2	TP	Dichlorodifluoromethane	0.216	0.339	-56.9#	186	0.00
3	TP	Chloromethane	0.375	0.568	-51.5#	170	0.00
4	TC	Vinyl chloride	0.272	0.385	-41.5#	160	0.00
5	TP	Bromomethane	0.134	0.162	-20.9#	163	0.00
6	TP	Chloroethane	0.163	0.193	-18.4	137	0.00
7	TP	Trichlorofluoromethane	0.319	0.394	-23.5#	149	0.00
8	TP	Ethyl ether	0.084	0.094	-11.9	130	0.00
10	TC	1,1-Dichloroethene	0.186	0.209	-12.4	126	0.00
11	TP	Carbon disulfide	0.539	0.651	-20.8#	144	0.00
12	TP	Freon-113	0.197	0.230	-16.8	136	0.00
13	TP	Iodomethane	* 10.000	5.726	42.7#	64	0.00
14	TP	Acrolein	0.030	0.028	6.7	118	0.01
15	TP	Methylene chloride	0.227	0.235	-3.5	119	0.00
17	TP	Acetone	0.047	0.041	12.8	108	0.00
18	TP	trans-1,2-Dichloroethene	0.216	0.236	-9.3	127	0.00
19	TP	Methyl acetate	0.132	0.124	6.1	113	0.00
20	TP	Methyl tert-butyl ether	0.434	0.436	-0.5	118	0.00
21	TP	tert-Butyl alcohol	0.00889	0.00949#	-6.7	118	0.00
22	TP	Diisopropyl ether	0.998	1.016	-1.8	119	0.00
23	TP	1,1-Dichloroethane	0.499	0.550	-10.2	124	0.00
24	TP	Halothane	0.163	0.177	-8.6	125	0.00
25	TP	Acrylonitrile	0.067	0.081	-20.9#	140	0.00
26	TP	Ethyl tert-butyl ether	0.731	0.730	0.1	121	0.00
27	TP	Vinyl acetate	0.507	0.477	5.9	119	0.00
28	TP	cis-1,2-Dichloroethene	0.247	0.254	-2.8	119	0.00
29	TP	2,2-Dichloropropane	0.323	0.309	4.3	113	0.00
30	TP	Bromochloromethane	0.107	0.113	-5.6	117	0.00
31	TP	Cyclohexane	0.568	0.624	-9.9	128	0.00
32	TC	Chloroform	0.418	0.451	-7.9	124	0.00
33	TP	Ethyl acetate	0.183	0.183	0.0	120	0.00
34	TP	Carbon tetrachloride	0.316	0.334	-5.7	127	0.00
35	TP	Tetrahydrofuran	0.057	0.057	0.0	118	0.00
36	S	Dibromofluoromethane	0.260	0.260	0.0	110	0.00
37	TP	1,1,1-Trichloroethane	0.360	0.411	-14.2	131	0.00
39	TP	2-Butanone	0.079	0.075	5.1	123	0.00
40	TP	1,1-Dichloropropene	0.307	0.341	-11.1	131	0.01
41	TP	Benzene	0.891	0.932	-4.6	121	0.00
42	TP	tert-Amyl methyl ether	0.449	0.432	3.8	116	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N18.d
Acq On : 8 Feb 2022 10:54 pm
Operator : VOA105:PD
Sample : C8260STD10
Misc : WG1603077,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 09 11:39:42 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.343	0.351	-2.3	107	0.00
44	TP	1,2-Dichloroethane	0.350	0.361	-3.1	119	0.00
47	TP	Methyl cyclohexane	0.402	0.412	-2.5	126	0.00
48	TP	Trichloroethene	0.256	0.248	3.1	125	0.00
50	TP	Dibromomethane	0.118	0.119	-0.8	117	0.00
51	TC	1,2-Dichloropropane	0.279	0.294	-5.4	120	0.00
53	TP	2-Chloroethyl vinyl ether	0.104	0.107	-2.9	110	0.00
54	TP	Bromodichloromethane	0.300	0.305	-1.7	120	0.00
57	TP	1,4-Dioxane	0.00092	0.00092#	0.0	112	0.00
58	TP	cis-1,3-Dichloropropene	* 10.000	8.975	10.3	122	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
60	S	Toluene-d8	1.306	1.317	-0.8	110	0.00
61	TC	Toluene	0.752	0.792	-5.3	121	0.00
62	TP	4-Methyl-2-pentanone	0.084	0.086	-2.4	122	0.00
63	TP	Tetrachloroethene	0.334	0.366	-9.6	128	0.00
65	TP	trans-1,3-Dichloropropene	* 10.000	9.221	7.8	120	0.00
67	TP	Ethyl methacrylate	0.257	0.273	-6.2	124	0.00
68	TP	1,1,2-Trichloroethane	0.179	0.192#	-7.3	120	0.00
69	TP	Chlorodibromomethane	0.271	0.274	-1.1	120	0.00
70	TP	1,3-Dichloropropane	0.424	0.446	-5.2	118	0.00
71	TP	1,2-Dibromoethane	* 10.000	9.722	2.8	119	0.00
72	TP	2-Hexanone	0.150	0.146	2.7	114	0.00
73	TP	Chlorobenzene	0.836	0.890	-6.5	123	0.00
74	TC	Ethylbenzene	1.492	1.595	-6.9	121	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.289	0.293	-1.4	120	0.00
76	TP	p/m Xylene	0.556	0.605	-8.8	121	0.00
77	TP	o Xylene	0.531	0.583	-9.8	123	0.00
78	TP	Styrene	0.868	0.963	-10.9	122	-0.01
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
80	TP	Bromoform	* 10.000	9.546	4.5	121	0.00
82	TP	Isopropylbenzene	2.788	2.993	-7.4	121	0.00
83	S	4-Bromofluorobenzene	0.905	0.907	-0.2	107	0.00
84	TP	Bromobenzene	0.621	0.648	-4.3	119	0.00
85	TP	n-Propylbenzene	3.195	3.523	-10.3	124	0.00
86	TP	1,4-Dichlorobutane	0.972	1.098	-13.0	129	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.433	0.451	-4.2	120	0.00
88	TP	4-Ethyltoluene	2.658	3.008	-13.2	127	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N18.d
Acq On : 8 Feb 2022 10:54 pm
Operator : VOA105:PD
Sample : C8260STD10
Misc : WG1603077,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 09 11:39:42 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.944	2.057	-5.8	121	0.00
90 TP	1,3,5-Trimethylbenzene	2.325	2.465	-6.0	121	0.00
91 TP	1,2,3-Trichloropropane	0.381	0.383	-0.5	119	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.167	0.170	-1.8	124	0.00
93 TP	4-Chlorotoluene	2.025	2.134	-5.4	119	0.00
94 TP	tert-Butylbenzene	2.000	2.161	-8.1	122	0.00
97 TP	1,2,4-Trimethylbenzene	2.267	2.437	-7.5	122	0.00
98 TP	sec-Butylbenzene	2.850	3.097	-8.7	122	0.00
99 TP	p-Isopropyltoluene	2.457	2.668	-8.6	123	0.00
100 TP	1,3-Dichlorobenzene	1.212	1.299	-7.2	121	0.00
101 TP	1,4-Dichlorobenzene	1.227	1.296	-5.6	120	0.00
102 TP	p-Diethylbenzene	1.392	1.445	-3.8	119	0.00
103 TP	n-Butylbenzene	2.022	2.237	-10.6	128	0.00
104 TP	1,2-Dichlorobenzene	1.093	1.149	-5.1	117	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.033	2.190	-7.7	121	0.00
106 TP	1,2-Dibromo-3-chloropropane *	10.000	8.764	12.4	118	0.00
107 TP	1,3,5-Trichlorobenzene	0.772	0.833	-7.9	122	0.00
108 TP	Hexachlorobutadiene	0.312	0.320	-2.6	119	0.00
109 TP	1,2,4-Trichlorobenzene	0.632	0.666	-5.4	123	0.00
110 TP	Naphthalene	1.206	1.262	-4.6	126	0.00
111 TP	1,2,3-Trichlorobenzene	0.524	0.556	-6.1	124	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 3 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N18.d
Acq On : 8 Feb 2022 10:54 pm
Operator : VOA105:PD
Sample : C8260STD10
Misc : WG1603077,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 09 11:39:42 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.860	96	584344	10.000	ug/L	0.00
Standard Area 1 = 530622			Recovery = 110.12%			
59) Chlorobenzene-d5	9.373	117	435912	10.000	ug/L	0.00
Standard Area 1 = 398296			Recovery = 109.44%			
79) 1,4-Dichlorobenzene-d4	12.106	152	237917	10.000	ug/L	0.00
Standard Area 1 = 226852			Recovery = 104.88%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	151946	9.983	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.83%			
43) 1,2-Dichloroethane-d4	5.587	65	205006	10.235	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.35%			
60) Toluene-d8	7.533	98	574288	10.089	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.89%			
83) 4-Bromofluorobenzene	10.881	95	215867	10.021	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.21%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.586	85	197924	15.707	ug/L #	96
3) Chloromethane	1.762	50	331958	15.129	ug/L	97
4) Vinyl chloride	1.840	62	224819	14.136	ug/L	92
5) Bromomethane	2.134	94	94895	12.104	ug/L	100
6) Chloroethane	2.251	64	113014	11.887	ug/L	91
7) Trichlorofluoromethane	2.378	101	230289	12.336	ug/L	100
8) Ethyl ether	2.662	74	55152	11.236	ug/L #	29
10) 1,1-Dichloroethene	2.848	96	122003	11.216	ug/L #	69
11) Carbon disulfide	2.877	76	380342	12.074	ug/L	99
12) Freon-113	2.887	101	134150	11.631	ug/L	79
13) Iodomethane	2.995	142	73513	5.726	ug/L	92
14) Acrolein	3.190	56	16383	9.302	ug/L	93
15) Methylene chloride	3.405	84	137225	10.368	ug/L #	40
17) Acetone	3.454	43	23792	8.580	ug/L	92
18) trans-1,2-Dichloroethene	3.542	96	138161	10.950	ug/L #	74
19) Methyl acetate	3.562	43	72381	9.419	ug/L #	79
20) Methyl tert-butyl ether	3.630	73	254649	10.033	ug/L #	74
21) tert-Butyl alcohol	3.738	59	27727	53.382	ug/L	86
22) Diisopropyl ether	3.982	45	593755	10.177	ug/L #	84
23) 1,1-Dichloroethane	4.119	63	321261	11.028	ug/L	93
24) Halothane	4.168	117	103556	10.851	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N18.d
Acq On : 8 Feb 2022 10:54 pm
Operator : VOA105:PD
Sample : C8260STD10
Misc : WG1603077,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 09 11:39:42 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.188	53	47274	12.138	ug/L	#	84
26) Ethyl tert-butyl ether	4.325	59	426618	9.982	ug/L		81
27) Vinyl acetate	4.354	43	278891	9.410	ug/L	#	89
28) cis-1,2-Dichloroethene	4.628	96	148589	10.310	ug/L	#	79
29) 2,2-Dichloropropane	4.726	77	180833	9.595	ug/L	#	73
30) Bromochloromethane	4.824	128	65926	10.577	ug/L	#	49
31) Cyclohexane	4.804	56	364871	10.984	ug/L	#	55
32) Chloroform	4.892	83	263649	10.785	ug/L	#	92
33) Ethyl acetate	5.000	43	106803	9.977	ug/L	#	90
34) Carbon tetrachloride	5.009	117	195461	10.577	ug/L		99
35) Tetrahydrofuran	5.039	42	33260M6	9.911	ug/L		
37) 1,1,1-Trichloroethane	5.078	97	240304	11.419	ug/L		92
39) 2-Butanone	5.195	43	44059	9.602	ug/L	#	61
40) 1,1-Dichloropropene	5.205	75	199538	11.126	ug/L		99
41) Benzene	5.440	78	544329	10.457	ug/L	#	85
42) tert-Amyl methyl ether	5.547	73	252326	9.620	ug/L	#	84
44) 1,2-Dichloroethane	5.655	62	210701	10.308	ug/L		97
47) Methyl cyclohexane	6.007	83	240804	10.251	ug/L	#	39
48) Trichloroethene	6.036	95	144758	9.669	ug/L		95
50) Dibromomethane	6.486	93	69409	10.088	ug/L		97
51) 1,2-Dichloropropane	6.574	63	171611	10.511	ug/L	#	84
53) 2-Chloroethyl vinyl ether	7.269	63	62705	10.291	ug/L	#	78
54) Bromodichloromethane	6.653	83	178097	10.172	ug/L		99
57) 1,4-Dioxane	6.858	88	27001	501.035	ug/L	#	54
58) cis-1,3-Dichloropropene	7.337	75	188891	8.975	ug/L	#	81
61) Toluene	7.592	92	345387	10.534	ug/L		99
62) 4-Methyl-2-pentanone	8.032	58	37605	10.300	ug/L	#	87
63) Tetrachloroethene	8.032	166	159457	10.945	ug/L		92
65) trans-1,3-Dichloropropene	8.090	75	145391	9.221	ug/L	#	77
67) Ethyl methacrylate	8.266	69	119193	10.652	ug/L		91
68) 1,1,2-Trichloroethane	8.266	83	83616	10.735	ug/L		95
69) Chlorodibromomethane	8.482	129	119502	10.134	ug/L		98
70) 1,3-Dichloropropane	8.589	76	194431	10.516	ug/L		100
71) 1,2-Dibromoethane	8.756	107	103613	9.722	ug/L		99
72) 2-Hexanone	9.040	43	63749	9.757	ug/L		96
73) Chlorobenzene	9.392	112	387841	10.637	ug/L		95
74) Ethylbenzene	9.422	91	695480	10.690	ug/L		96
75) 1,1,1,2-Tetrachloroethane	9.471	131	127527	10.124	ug/L		97
76) p/m Xylene	9.608	106	527495	21.757	ug/L		91
77) o Xylene	10.156	106	508527	21.964	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N18.d
Acq On : 8 Feb 2022 10:54 pm
Operator : VOA105:PD
Sample : C8260STD10
Misc : WG1603077,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 09 11:39:42 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220208N-ICAL\V05220208N09.d
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.225	104	839195	22.178	ug/L		95
80)	Bromoform	10.264	173	64023	9.546	ug/L		97
82)	Isopropylbenzene	10.548	105	712156	10.737	ug/L		98
84)	Bromobenzene	10.999	156	154195	10.440	ug/L		99
85)	n-Propylbenzene	11.038	91	838199	11.028	ug/L		98
86)	1,4-Dichlorobutane	11.067	55	261180	11.297	ug/L	#	87
87)	1,1,2,2-Tetrachloroethane	11.146	83	107347	10.413	ug/L		99
88)	4-Ethyltoluene	11.165	105	715746	11.318	ug/L		99
89)	2-Chlorotoluene	11.205	91	489387M6	10.582	ug/L		
90)	1,3,5-Trimethylbenzene	11.263	105	586370	10.601	ug/L		98
91)	1,2,3-Trichloropropane	11.283	75	91181M1	10.066	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.332	53	40347	10.172	ug/L	#	74
93)	4-Chlorotoluene	11.391	91	507650	10.538	ug/L		97
94)	tert-Butylbenzene	11.606	119	514023	10.804	ug/L		93
97)	1,2,4-Trimethylbenzene	11.685	105	579838	10.752	ug/L		97
98)	sec-Butylbenzene	11.792	105	736839	10.867	ug/L		100
99)	p-Isopropyltoluene	11.949	119	634644	10.855	ug/L		98
100)	1,3-Dichlorobenzene	12.027	146	309170	10.723	ug/L		99
101)	1,4-Dichlorobenzene	12.125	146	308457	10.563	ug/L		98
102)	p-Diethylbenzene	12.331	119	343706	10.379	ug/L		100
103)	n-Butylbenzene	12.390	91	532259	11.062	ug/L		99
104)	1,2-Dichlorobenzene	12.547	146	273435	10.517	ug/L		98
105)	1,2,4,5-Tetramethylben...	13.125	119	520981	10.770	ug/L		98
106)	1,2-Dibromo-3-chloropr...	13.330	155	14029	8.764	ug/L		100
107)	1,3,5-Trichlorobenzene	13.360	180	198132	10.788	ug/L		99
108)	Hexachlorobutadiene	13.928	225	76125	10.245	ug/L		98
109)	1,2,4-Trichlorobenzene	13.957	180	158399	10.534	ug/L		100
110)	Naphthalene	14.251	128	300259	10.464	ug/L		100
111)	1,2,3-Trichlorobenzene	14.418	180	132297	10.605	ug/L		99

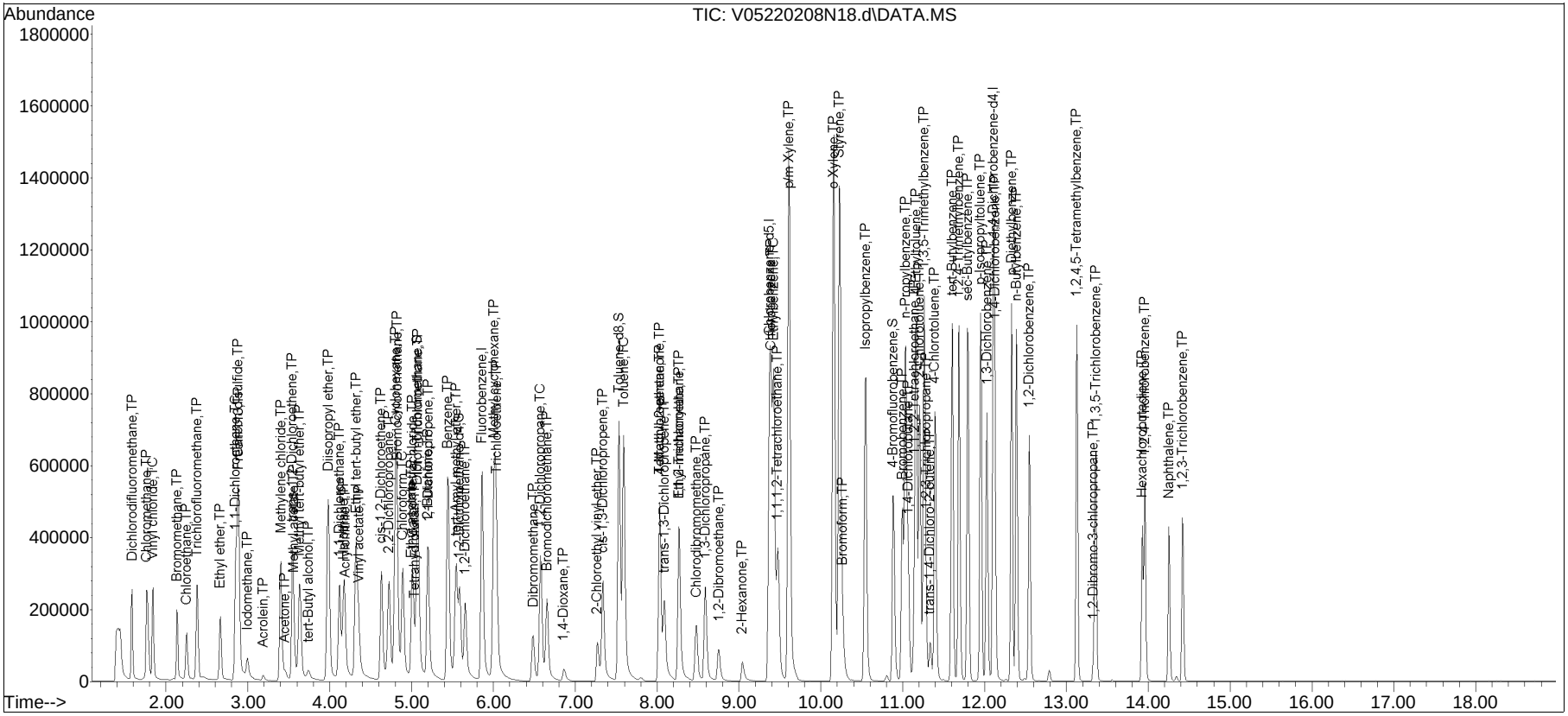
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220208N-ICAL\
Data File : V05220208N18.d
Acq On : 8 Feb 2022 10:54 pm
Operator : VOA105:PD
Sample : C8260STD10
Misc : WG1603077,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 09 11:39:42 2022
Quant Method : I:\VOLATILES\VOA105\2022\220208N-ICAL\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

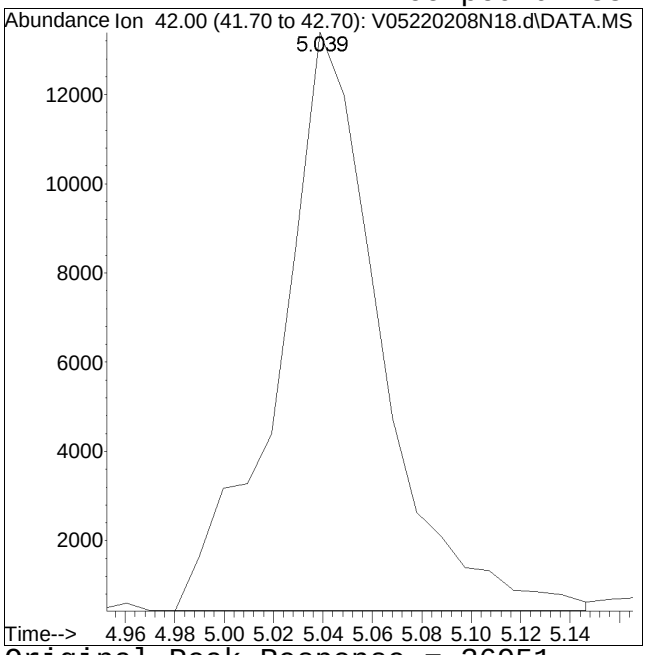
Sub List : 8260-Curve - Megamix plus Diox20208N-ICAL\V05220208N09.d•



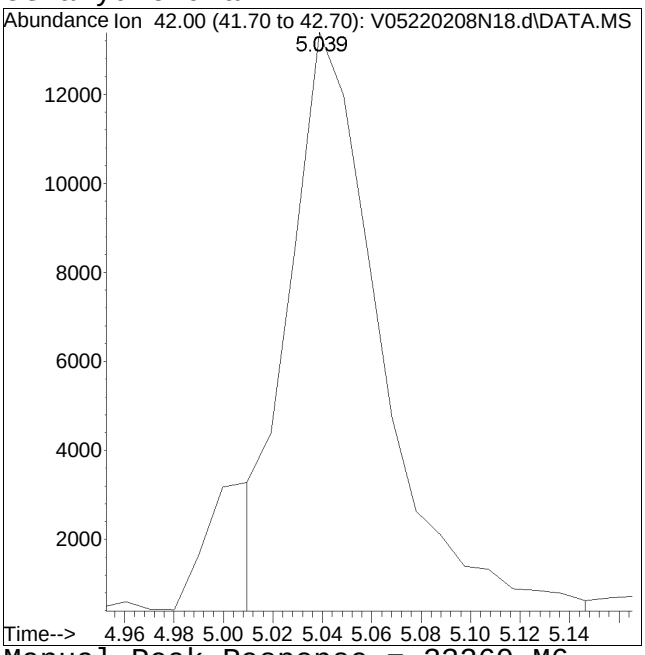
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220208N18.d Operator : VOA105:PD
Date Inj'd : 2/8/2022 10:54 pm Instrument : VOA 105
Sample : C8260STD10 Quant Date : 2/9/2022 11:37 am

Compound #35: Tetrahydrofuran



Original Peak Response = 36951



Manual Peak Response = 33260 M6

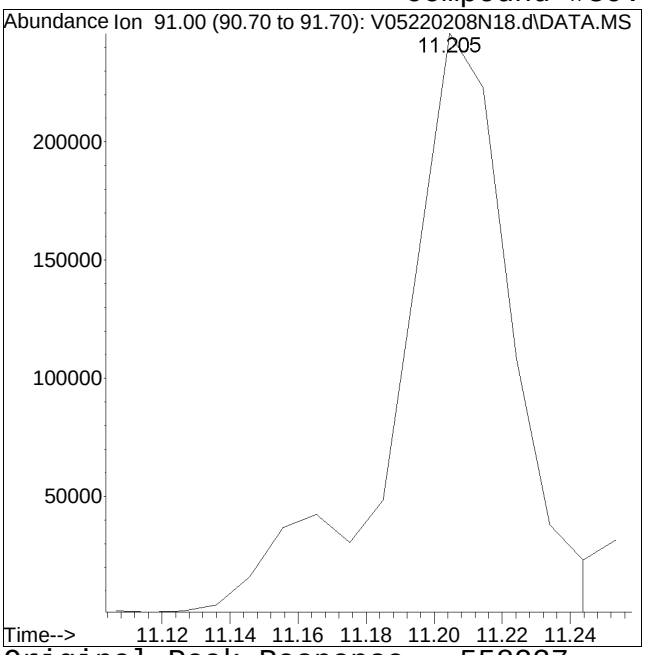
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

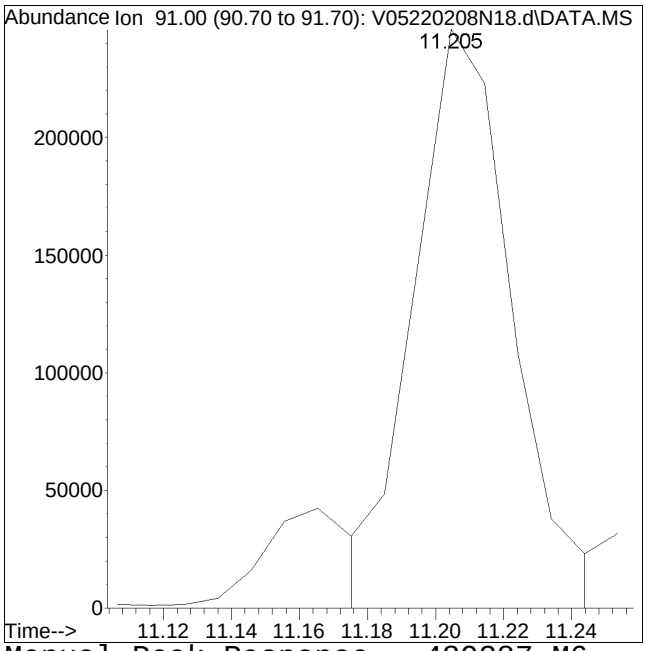
Data Path : I:\VOLATILES\VOA105\2022\2Q
Data File : V05220208N18.d
Date Inj'd : 2/8/2022 10:54 pm
Sample : C8260STD10

Method : V105_220208N_8260.m
Operator : VOA105:PD
Instrument : VOA 105
Quant Date : 2/9/2022 11:37 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 558237



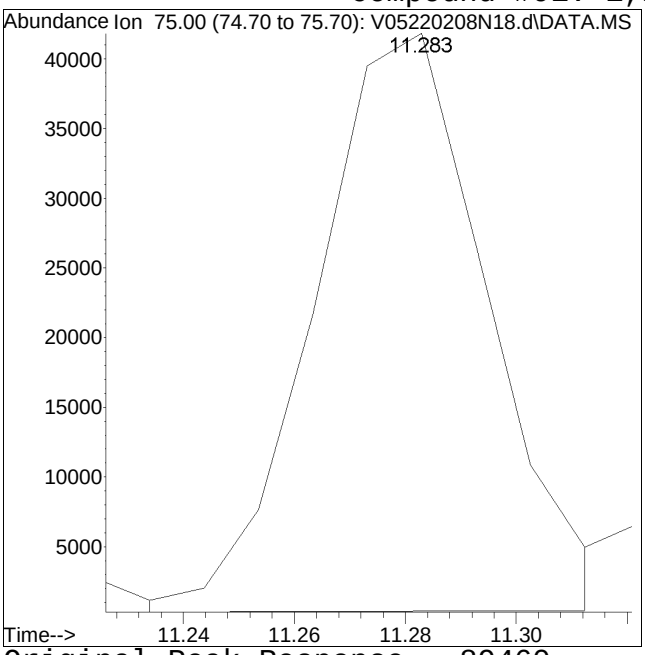
Manual Peak Response = 489387 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

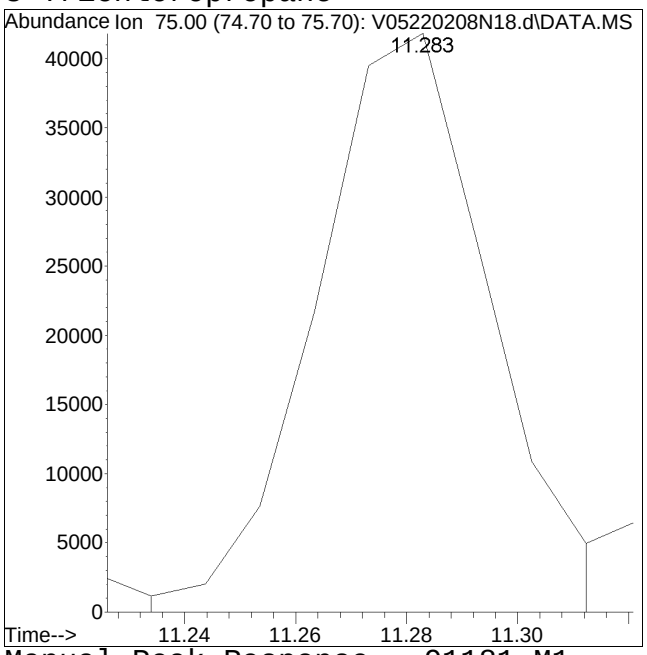
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220208N18.d Operator : VOA105:PD
Date Inj'd : 2/8/2022 10:54 pm Instrument : VOA 105
Sample : C8260STD10 Quant Date : 2/9/2022 11:37 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 89460



Manual Peak Response = 91181 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Correlation Data Summary

Method Path:	I:\VOLATILES\VOA105\2022\220208N-ICAL\
Method File:	V105_220208N_8260.m
Method Title:	VOLATILES BY GC/MS
Last Update:	Wed Feb 09 11:34:23 2022
CSV generated:	Wed Feb 09 12:28:21 2022

Analyte	Curve fit Type	Coefficient of Determination	Quadratic Term	Linear Term	Constant Term
Iodomethane	Linear	0.999156	0	0.268872	-0.02814
cis-1,3-Dichloropropene	Linear	0.998722	0	0.375554	-0.013817
trans-1,3-Dichloropropene	Quadratic	0.998569	0.006068	0.370666	-0.013429
1,2-Dibromoethane	Linear	0.999536	0	0.251067	-0.006405
Bromoform	Quadratic	0.999142	0.002301	0.291157	-0.010933
1,2-Dibromo-3-chloropropane	Linear	0.998555	0	0.070474	-0.002801

Response Factor Report Elaine

Method Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Method File : Elaine_220316N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Mar 17 12:37:40 2022
Response Via : Initial Calibration

Calibration Files
L11 =VE220316N03.D L1 =VE220316N06.D L2 =VE220316N07.D L3 =VE220316N09.D L4 =VE220316N10.D
L6 =VE220316N11.D L8 =VE220316N12.D L10 =VE220316N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------	----------	----------		
2)	TP	Dichlorodifluo...		0.143	0.157	0.155	0.175	0.153	0.163	0.169	0.159	6.70
3)	TP	Chloromethane		0.227	0.224	0.217	0.245	0.210	0.228	0.234	0.227	4.92
4)	TC	Vinyl chloride	0.200	0.229	0.199	0.195	0.228	0.199	0.212	0.217	0.210	6.54
5)	TP	Bromomethane		0.058	0.066	0.064	0.081	0.078	0.093		0.073	17.63
6)	TP	Chloroethane		0.085	0.102	0.096	0.115	0.086	0.093	0.089	0.095	11.00
7)	TP	Trichlorofluor...		0.197	0.229	0.218	0.263	0.223	0.240	0.246	0.231	9.22
8)	TP	Ethyl ether		0.068	0.080	0.073	0.093	0.089	0.092	0.096	0.084	12.83
10)	TC	1,1-Dichloroet...		0.123	0.144	0.139	0.161	0.144	0.155	0.160	0.146	9.10
11)	TP	Carbon disulfide		0.333	0.335	0.324	0.390	0.328	0.349	0.358	0.345	6.66
12)	TP	Freon-113		0.100	0.141	0.134	0.172	0.147	0.156	0.166	0.145	16.40
13)	TP	Iodomethane			0.044	0.070	0.135	0.140	0.157	0.165	*Q	0.9976
14)	TP	Acrolein			0.013	0.022	0.023	0.024	0.025	0.027	*L	0.9960
15)	TP	Methylene chlo...		0.213	0.194	0.169	0.191	0.164	0.174	0.176	0.183	9.35
17)	TP	Acetone			0.048	0.044	0.040	0.043	0.041	0.043	0.043	6.28
18)	TP	trans-1,2-Dich...		0.136	0.150	0.143	0.172	0.152	0.167	0.174	0.156	9.41
19)	TP	Methyl acetate			0.104	0.106	0.110	0.117	0.122	0.129	0.114	8.62
20)	TP	Methyl tert-bu...		0.249	0.308	0.356	0.412	0.398	0.430	0.446	0.371	19.24
21)	TP	tert-Butyl alc...			0.007	0.007	0.008	0.009	0.010	0.011	0.009#	18.30
22)	TP	Diisopropyl ether		0.644	0.667	0.666	0.822	0.777	0.841	0.860	0.754	12.28
23)	TP	1,1-Dichloroet...		0.311	0.348	0.330	0.376	0.336	0.360	0.370	0.347	6.72
24)	TP	Halothane			0.116	0.118	0.141	0.126	0.138	0.143	0.130	9.22
25)	TP	Acrylonitrile		0.036	0.048	0.058	0.064	0.063	0.065	0.067	0.057	19.75
26)	TP	Ethyl tert-but...		0.411	0.424	0.461	0.593	0.575	0.621	0.649	0.533	18.57
27)	TP	Vinyl acetate			0.267	0.344	0.431	0.448	0.483	0.509	*L	0.9966
28)	TP	cis-1,2-Dichlo...		0.175	0.162	0.167	0.196	0.175	0.190	0.196	0.180#	7.58
29)	TP	2,2-Dichloropr...		0.146	0.169	0.181	0.237	0.211	0.231	0.245	0.203	18.71
30)	TP	Bromochloromet...		0.081	0.084	0.076	0.089	0.081	0.084	0.084	0.083#	4.71
31)	TP	Cyclohexane		0.224	0.287	0.317	0.418	0.340	0.371	0.389	0.335	19.70
32)	TC	Chloroform		0.262	0.281	0.276	0.322	0.287	0.309	0.318	0.294	7.81
33)	TP	Ethyl acetate			0.093	0.116	0.139	0.148	0.156	0.161	0.136	19.31

Method Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Method File : Elaine_220316N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Mar 17 12:37:40 2022
Response Via : Initial Calibration

Calibration Files
L11 =VE220316N03.D L1 =VE220316N06.D L2 =VE220316N07.D L3 =VE220316N09.D L4 =VE220316N10.D
L6 =VE220316N11.D L8 =VE220316N12.D L10 =VE220316N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.163	0.191	0.195	0.237	0.212	0.232	0.246	0.211	14.13	
35)	TP	Tetrahydrofuran		0.039	0.039	0.041	0.044	0.045	0.049	0.043	9.78	
36)	S	Dibromofluorom...	0.255	0.254	0.256	0.247	0.233	0.240	0.237	0.240	0.245	3.62
37)	TP	1,1,1-Trichlor...	0.213	0.209	0.218	0.267	0.241	0.261	0.271	0.240	11.21	
39)	TP	2-Butanone		0.049	0.053	0.059	0.068	0.071	0.075	0.062	16.98	
40)	TP	1,1-Dichloropr...	0.163	0.178	0.200	0.248	0.222	0.239	0.250	0.214	16.11	
41)	TP	Benzene	0.582	0.614	0.647	0.657	0.784	0.700	0.748	0.760	0.686	10.66
42)	TP	tert-Amyl meth...	0.250	0.282	0.319	0.391	0.397	0.434	0.458	*Q	0.9994	
43)	S	1,2-Dichloroet...	0.293	0.308	0.298	0.292	0.268	0.288	0.283	0.297	0.291	4.06
44)	TP	1,2-Dichloroet...	0.221	0.214	0.231	0.255	0.235	0.247	0.250	0.236	6.46	
47)	TP	Methyl cyclohe...	0.164	0.162	0.177	0.268	0.197	0.218	0.233	0.203	19.40	
48)	TP	Trichloroethene	0.185	0.151	0.144	0.151	0.186	0.164	0.177	0.180	0.167#	10.22
50)	TP	Dibromomethane	0.077	0.086	0.085	0.094	0.090	0.094	0.098	0.089	7.87	
51)	TC	1,2-Dichloropr...	0.127	0.185	0.180	0.218	0.204	0.221	0.225	0.194	17.68	
53)	TP	2-Chloroethyl ...		0.065	0.081	0.101	0.109	0.114	0.119	*L	0.9976	
54)	TP	Bromodichlorom...	0.171	0.199	0.202	0.248	0.223	0.241	0.247	0.219#	13.24	
57)	TP	1,4-Dioxane	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.52	
58)	TP	cis-1,3-Dichlo...	0.176	0.207	0.217	0.284	0.269	0.295	0.304	0.250#	19.89	
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.291	1.306	1.262	1.312	1.315	1.336	1.339	1.325	1.311	1.93
61)	TC	Toluene	0.525	0.548	0.545	0.555	0.679	0.590	0.637	0.640	0.590	9.50
62)	TP	4-Methyl-2-pen...		0.049	0.061	0.073	0.079	0.083	0.084	0.072	19.38	
63)	TP	Tetrachloroethene	0.178	0.195	0.199	0.261	0.226	0.243	0.247	0.221	14.08	
65)	TP	trans-1,3-Dich...	0.174	0.199	0.233	0.318	0.321	0.345		*Q	0.9983	
67)	TP	Ethyl methacry...		0.162	0.196	0.238	0.238	0.249	0.254	0.223	16.28	
68)	TP	1,1,2-Trichlor...	0.119	0.128	0.140	0.166	0.160	0.164	0.165	0.149#	13.20	
69)	TP	Chlorodibromom...	0.138	0.174	0.188	0.238	0.225	0.239	0.240	0.206	19.34	
70)	TP	1,3-Dichloropr...	0.279	0.292	0.306	0.368	0.346	0.359	0.358	0.330	11.08	
71)	TP	1,2-Dibromoethane	0.104	0.139	0.153	0.187	0.183	0.190	0.190	*L	0.9991	
72)	TP	2-Hexanone	0.082	0.099	0.114	0.128	0.140	0.142	0.143	0.121	19.77	
73)	TP	Chlorobenzene	0.582	0.588	0.585	0.713	0.615	0.656	0.651	0.627	7.75	

Method Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Method File : Elaine_220316N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Mar 17 12:37:40 2022
Response Via : Initial Calibration

Calibration Files
L11 =VE220316N03.D L1 =VE220316N06.D L2 =VE220316N07.D L3 =VE220316N09.D L4 =VE220316N10.D
L6 =VE220316N11.D L8 =VE220316N12.D L10 =VE220316N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TC	Ethylbenzene	0.938	0.897	0.938	1.004	1.263	1.051	1.108	1.084	1.036	11.48
75)	TP	1,1,1,2-Tetrac...		0.157	0.172	0.180	0.241	0.220	0.236	0.238	0.206	17.24
76)	TP	p/m Xylene	0.350	0.328	0.374	0.402	0.494	0.406	0.420	0.402	0.397	12.64
77)	TP	o Xylene	0.370	0.339	0.365	0.388	0.477	0.397	0.409	0.390	0.392	10.42
78)	TP	Styrene	0.543	0.512	0.567	0.637	0.786	0.666	0.686	0.635	0.629	13.99
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.185	0.205	0.199	0.248	0.255	0.266	0.278	0.234	15.78
82)	TP	Isopropylbenzene		1.551	1.752	1.755	2.384	1.967	2.042	2.071	1.932	14.12
83)	S	4-Bromofluorob...	0.963	0.950	0.966	0.937	0.953	0.957	0.931	0.959	0.952	1.30
84)	TP	Bromobenzene		0.463	0.456	0.439	0.553	0.498	0.523	0.532	0.495	8.77
85)	TP	n-Propylbenzene		1.833	1.966	2.007	2.735	2.246	2.308	2.293	2.198	13.59
86)	TP	1,4-Dichlorobu...		0.645	0.740	0.739	0.864	0.833	0.845	0.877	0.792	10.82
87)	TP	1,1,2,2-Tetrac...		0.349	0.363	0.368	0.417	0.423	0.423	0.444	0.398	9.33
88)	TP	4-Ethyltoluene		1.454	1.582	1.657	2.268	1.878	1.956	1.941	1.819	15.12
89)	TP	2-Chlorotoluene		1.383	1.628	1.486	1.925	1.642	1.710	1.712	1.641	10.60
90)	TP	1,3,5-Trimethy...		1.082	1.431	1.441	1.927	1.602	1.674	1.669	1.546	17.09
91)	TP	1,2,3-Trichlor...		0.361	0.305	0.310	0.349	0.345	0.349	0.361	0.340	6.76
92)	TP	trans-1,4-Dich...		0.096	0.124	0.135	0.152	0.156	0.159	0.166	0.141	17.54
93)	TP	4-Chlorotoluene		1.274	1.377	1.391	1.771	1.534	1.599	1.573	1.503	11.11
94)	TP	tert-Butylbenzene		0.950	1.149	1.129	1.575	1.255	1.304	1.307	1.239	15.67
97)	TP	1,2,4-Trimethy...		1.259	1.392	1.420	1.926	1.642	1.703	1.702	1.578	14.57
98)	TP	sec-Butylbenzene		1.241	1.465	1.487	2.179	1.665	1.728	1.731	1.642	17.94
99)	TP	p-Isopropyltol...		0.928	1.173	1.233	1.850	1.466	1.518	1.526	*L	0.9957
100)	TP	1,3-Dichlorobe...		0.741	0.830	0.823	1.034	0.909	0.939	0.945	0.889	10.95
101)	TP	1,4-Dichlorobe...		0.760	0.876	0.815	1.030	0.919	0.949	0.960	0.901	10.21
102)	TP	p-Diethylbenzene			0.671	0.680	1.023	0.824	0.864	0.898	0.827	16.30
103)	TP	n-Butylbenzene		0.769	0.912	0.957	1.441	1.105	1.167	1.205	*L	0.9948
104)	TP	1,2-Dichlorobe...		0.744	0.824	0.789	0.982	0.884	0.901	0.915	0.863	9.45
105)	TP	1,2,4,5-Tetram...			0.976	1.063	1.564	1.358	1.422	1.519	1.317	18.45
106)	TP	1,2-Dibromo-3-...		0.021	0.035	0.047	0.058	0.062	0.063	0.071	*Q	0.9996
107)	TP	1,3,5-Trichlor...		0.323	0.430	0.417	0.575	0.488	0.519	0.561	0.473	18.92

Method Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Method File : Elaine_220316N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Mar 17 12:37:40 2022
Response Via : Initial Calibration

Calibration Files
L11 =VE220316N03.D L1 =VE220316N06.D L2 =VE220316N07.D L3 =VE220316N09.D L4 =VE220316N10.D
L6 =VE220316N11.D L8 =VE220316N12.D L10 =VE220316N13.D

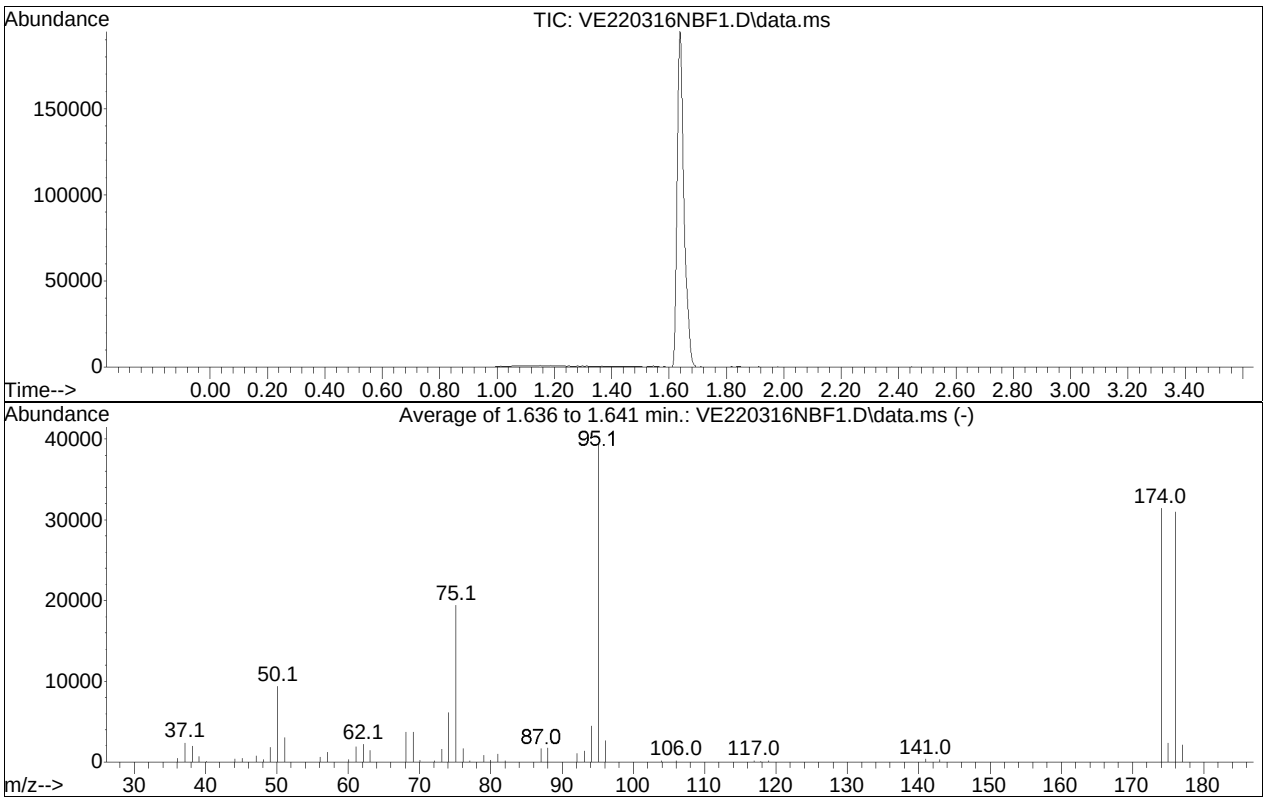
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108) TP	Hexachlorobuta...	0.084	0.115	0.116	0.169	0.132	0.136	0.151	*L	0.9937	
109) TP	1,2,4-Trichlor...	0.428	0.418	0.393	0.521	0.497	0.537	0.579	0.482	14.47	
110) TP	Naphthalene	0.818	0.954	1.058	1.342	1.374	1.437	1.515	*Q	0.9994	
111) TP	1,2,3-Trichlor...	0.363	0.367	0.376	0.484	0.470	0.509	0.533	0.443	16.36	

(#) = Out of Range

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316NBF1.D
Acq On : 17 Mar 2022 12:08 am
Operator : ELAINE:AJK
Sample : WG1616830-1
Misc : WG1616830
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Mar 17 12:37:40 2022



AutoFind: Scans 232, 233, 234; Background Corrected with Scan 221

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.8	9407	PASS
75	95	30	60	49.1	19440	PASS
95	95	100	100	100.0	39555	PASS
96	95	5	9	6.6	2626	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	79.5	31440	PASS
175	174	5	9	7.6	2399	PASS
176	174	95	101	98.5	30955	PASS
177	176	5	9	6.8	2097	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N03.D
Acq On : 17 Mar 2022 1:07 am
Operator : ELAINE:PD
Sample : I8260STD0.19PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:39:57 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.311	96	175649	10.000	ug/L	0.00
Standard Area 1 = 183905			Recovery = 95.51%			
59) Chlorobenzene-d5	8.389	117	131951	10.000	ug/L	0.00
Standard Area 1 = 135053			Recovery = 97.70%			
79) 1,4-Dichlorobenzene-d4	9.894	152	66323	10.000	ug/L	0.00
Standard Area 1 = 72095			Recovery = 91.99%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.296	113	44705	10.380	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.80%			
43) 1,2-Dichloroethane-d4	4.961	65	51548	10.084	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.84%			
60) Toluene-d8	7.045	98	170322	9.847	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.47%			
83) 4-Bromofluorobenzene	9.221	95	63871	10.115	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.15%			
Target Compounds						Qvalue
4) Vinyl chloride	1.060	62	666	0.181	ug/L	82
34) Carbon tetrachloride	4.157	117	275M1	0.074	ug/L	
41) Benzene	4.772	78	1942	0.161	ug/L #	55
48) Trichloroethene	5.512	95	617	0.210	ug/L #	57
58) cis-1,3-Dichloropropene	6.870	75	506	0.115	ug/L #	51
61) Toluene	7.095	92	1316	0.169	ug/L	88
65) trans-1,3-Dichloropropene	7.546	75	342	0.399	ug/L #	71
74) Ethylbenzene	8.441	91	2352	0.172	ug/L	99
76) p/m Xylene	8.550	106	1754	0.335	ug/L	100
77) o Xylene	8.839	106	1855	0.359	ug/L	89
78) Styrene	8.878	104	2721	0.328	ug/L	90

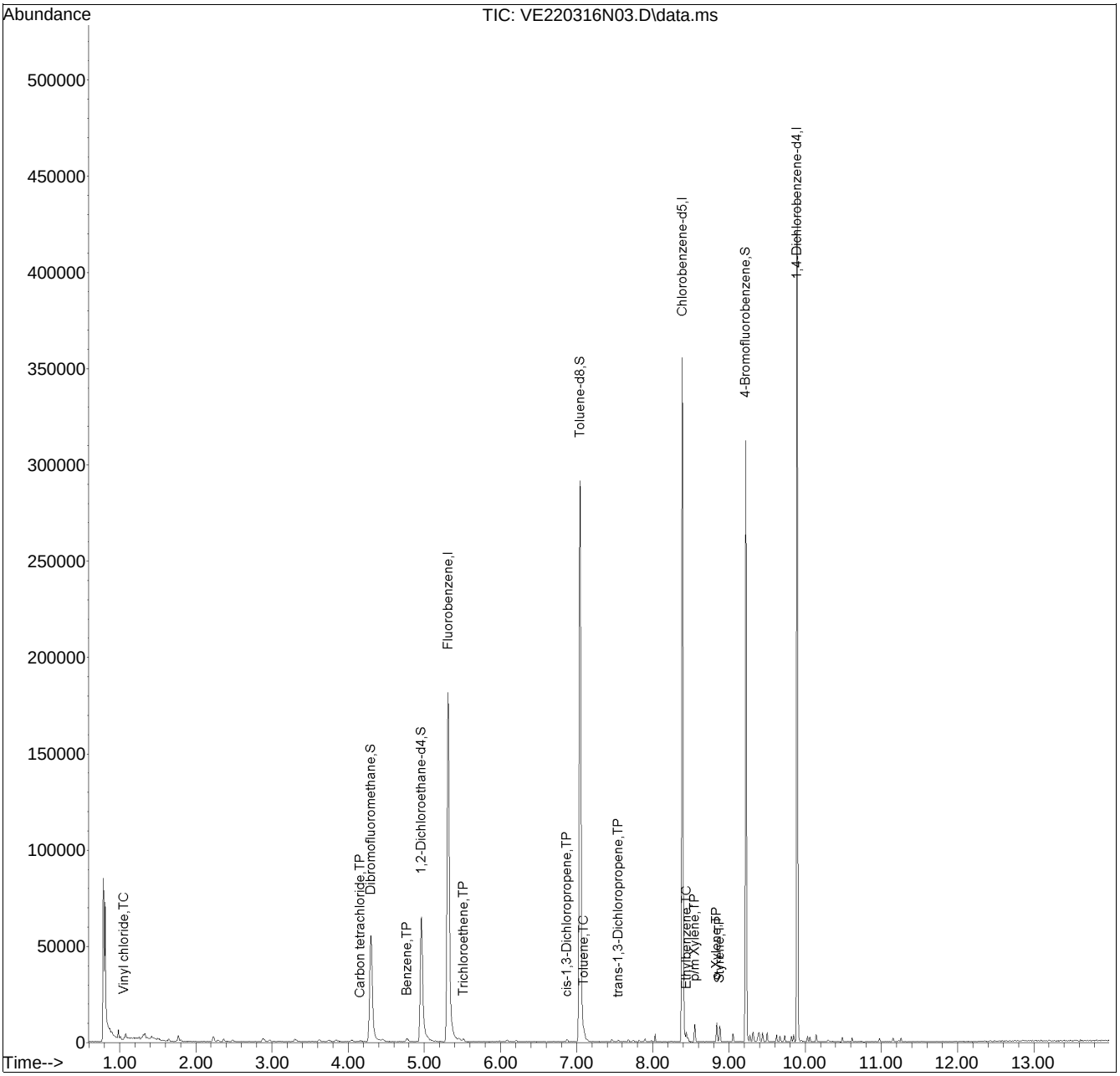
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N03.D
Acq On : 17 Mar 2022 1:07 am
Operator : ELAINE:PD
Sample : I8260STD0.19PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:39:57 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

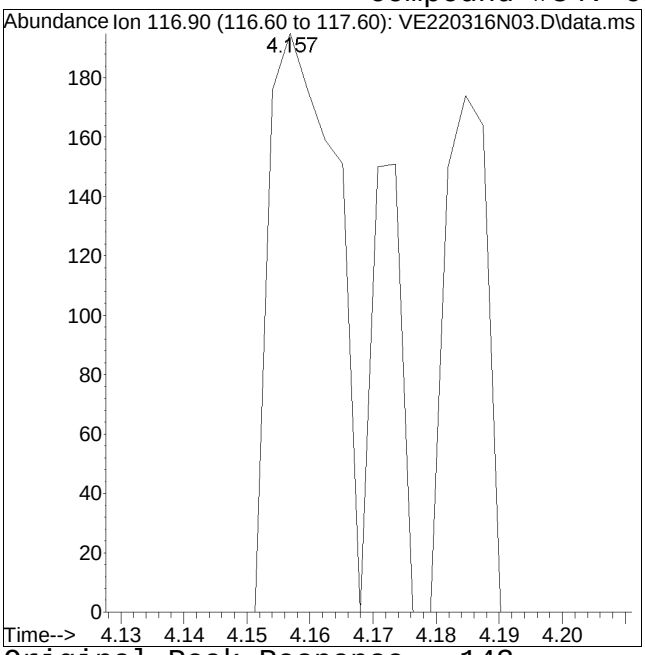
Sub List : 8260-L11 - Level 11 for 8260-LRR product\VE220316N09.D•



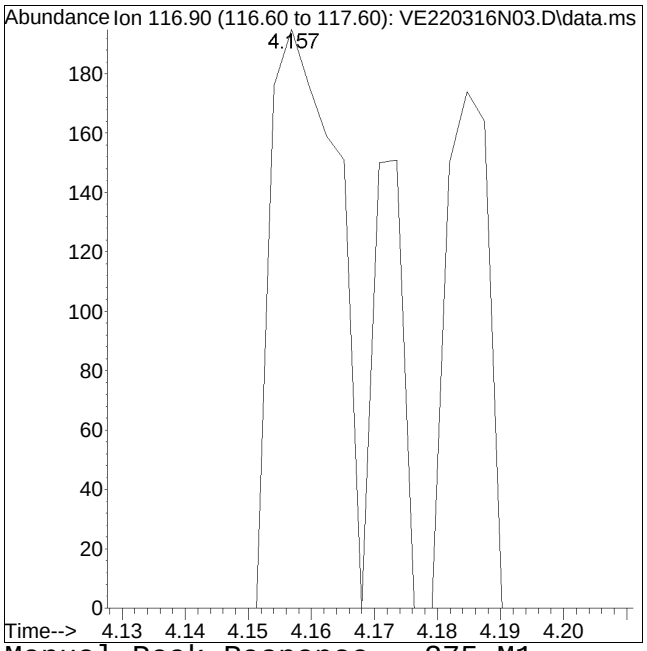
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N03.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 1:07 am Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 3/17/2022 12:39 pm

Compound #34: Carbon tetrachloride



Original Peak Response = 143



Manual Peak Response = 275 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N06.D
Acq On : 17 Mar 2022 2:08 am
Operator : ELAINE:PD
Sample : I8260STD0.5PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 15:53:22 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.311	96	173622	10.000 ug/L	0.00
Standard Area 1 = 183905			Recovery = 94.41%		
59) Chlorobenzene-d5	8.389	117	133177	10.000 ug/L	0.00
Standard Area 1 = 135053			Recovery = 98.61%		
79) 1,4-Dichlorobenzene-d4	9.894	152	67465	10.000 ug/L	0.00
Standard Area 1 = 72095			Recovery = 93.58%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.301	113	44089	10.356 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.56%		
43) 1,2-Dichloroethane-d4	4.961	65	53485	10.586 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.86%		
60) Toluene-d8	7.045	98	173932	9.964 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.64%		
83) 4-Bromofluorobenzene	9.220	95	64100	9.980 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.80%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.899	85	1240	0.449 ug/L #	77
3) Chloromethane	1.013	50	1974	0.502 ug/L	92
4) Vinyl chloride	1.060	62	1985	0.546 ug/L	98
5) Bromomethane	1.255	94	507	0.397 ug/L #	73
6) Chloroethane	1.330	64	741	0.448 ug/L	81
7) Trichlorofluoromethane	1.419	101	1710	0.427 ug/L	100
8) Ethyl ether	1.647	74	587	0.401 ug/L	92
10) 1,1-Dichloroethene	1.770	96	1072	0.422 ug/L	93
11) Carbon disulfide	1.775	76	2892	0.483 ug/L #	88
12) Freon-113	1.811	101	871	0.346 ug/L #	63
13) Iodomethane	1.864	142	335	1.946 ug/L #	64
14) Acrolein	0.000		0	N.D. d	
15) Methylene chloride	2.232	84	1849	0.582 ug/L	98
17) Acetone	2.287	43	811	1.079 ug/L #	50
18) trans-1,2-Dichloroethene	2.368	96	1182	0.436 ug/L	95
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	2.479	73	2159	0.335 ug/L #	81
21) tert-Butyl alcohol	0.000		0	N.D. d	
22) Diisopropyl ether	2.883	45	5589	0.427 ug/L #	84
23) 1,1-Dichloroethane	2.972	63	2700	0.448 ug/L	87
24) Halothane	0.000		0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N06.D
Acq On : 17 Mar 2022 2:08 am
Operator : ELAINE:PD
Sample : I8260STD0.5PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 15:53:22 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.038	53	311M1	0.313	ug/L		
26) Ethyl tert-butyl ether	3.297	59	3564	0.385	ug/L	#	85
27) Vinyl acetate	0.000		0	N.D.	d		
28) cis-1,2-Dichloroethene	3.623	96	1520M1	0.486	ug/L		
29) 2,2-Dichloropropane	3.742	77	1265	0.359	ug/L	#	72
30) Bromochloromethane	3.884	128	703M3	0.490	ug/L		
31) Cyclohexane	3.851	56	1946M3	0.335	ug/L		
32) Chloroform	4.051	83	2278	0.447	ug/L	#	89
33) Ethyl acetate	0.000		0	N.D.	d		
34) Carbon tetrachloride	4.171	117	1412M1	0.386	ug/L		
35) Tetrahydrofuran	0.000		0	N.D.	d		
37) 1,1,1-Trichloroethane	4.265	97	1845M1	0.443	ug/L		
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	4.455	75	1419M1	0.381	ug/L		
41) Benzene	4.772	78	5326	0.447	ug/L	#	84
42) tert-Amyl methyl ether	5.008	73	2166M3	0.598	ug/L		
44) 1,2-Dichloroethane	5.039	62	1918	0.468	ug/L	#	73
47) Methyl cyclohexane	5.467	83	1424M1	0.405	ug/L		
48) Trichloroethene	5.506	95	1309	0.451	ug/L	#	82
50) Dibromomethane	5.974	93	671	0.432	ug/L	#	62
51) 1,2-Dichloropropane	6.090	63	1105	0.327	ug/L		90
53) 2-Chloroethyl vinyl ether	6.872	63	375	1.558	ug/L	#	36
54) Bromodichloromethane	6.205	83	1488	0.392	ug/L	#	84
57) 1,4-Dioxane	6.441	88	1438	87.756	ug/L	#	62
58) cis-1,3-Dichloropropene	6.872	75	1528	0.352	ug/L	#	90
61) Toluene	7.098	92	3646	0.464	ug/L		92
62) 4-Methyl-2-pentanone	7.529	58	85	0.089	ug/L	#	1
63) Tetrachloroethene	7.462	166	1184	0.402	ug/L		87
65) trans-1,3-Dichloropropene	7.548	75	1156	0.615	ug/L	#	76
67) Ethyl methacrylate	0.000		0	N.D.	d		
68) 1,1,2-Trichloroethane	7.676	83	790	0.399	ug/L		94
69) Chlorodibromomethane	7.818	129	919	0.335	ug/L	#	83
70) 1,3-Dichloropropane	7.899	76	1856	0.423	ug/L	#	87
71) 1,2-Dibromoethane	7.980	107	693	0.621	ug/L		94
72) 2-Hexanone	8.236	43	543	0.337	ug/L	#	80
73) Chlorobenzene	8.400	112	3878	0.464	ug/L	#	80
74) Ethylbenzene	8.441	91	5971	0.433	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.461	131	1045	0.381	ug/L	#	64
76) p/m Xylene	8.550	106	4374	0.827	ug/L		91
77) o Xylene	8.839	106	4512	0.864	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N06.D
Acq On : 17 Mar 2022 2:08 am
Operator : ELAINE:PD
Sample : I8260STD0.5PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 15:53:22 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.878	104	6817	0.814	ug/L	#	83
80) Bromoform	8.884	173	623	0.395	ug/L		77
82) Isopropylbenzene	9.051	105	5231	0.401	ug/L		84
84) Bromobenzene	9.273	156	1563	0.468	ug/L		95
85) n-Propylbenzene	9.312	91	6183	0.417	ug/L		96
86) 1,4-Dichlorobutane	9.323	55	2176	0.407	ug/L	#	90
87) 1,1,2,2-Tetrachloroethane	9.374	83	1177	0.438	ug/L	#	94
88) 4-Ethyltoluene	9.385	105	4906	0.400	ug/L		99
89) 2-Chlorotoluene	9.396	91	4665	0.421	ug/L		98
90) 1,3,5-Trimethylbenzene	9.438	105	3650	0.350	ug/L	#	80
91) 1,2,3-Trichloropropane	9.440	75	1218	0.531	ug/L	#	86
92) trans-1,4-Dichloro-2-b...	9.476	53	324	0.340	ug/L	#	71
93) 4-Chlorotoluene	9.502	91	4299	0.424	ug/L		99
94) tert-Butylbenzene	9.624	119	3203	0.383	ug/L		92
97) 1,2,4-Trimethylbenzene	9.668	105	4248	0.399	ug/L		99
98) sec-Butylbenzene	9.730	105	4185	0.378	ug/L		99
99) p-Isopropyltoluene	9.819	119	3132	0.556	ug/L		95
100) 1,3-Dichlorobenzene	9.849	146	2499	0.417	ug/L		95
101) 1,4-Dichlorobenzene	9.902	146	2562	0.421	ug/L	#	67
102) p-Diethylbenzene	10.030	119	1817	0.326	ug/L		92
103) n-Butylbenzene	10.061	91	2595	0.568	ug/L		94
104) 1,2-Dichlorobenzene	10.144	146	2509	0.431	ug/L		97
105) 1,2,4,5-Tetramethylben...	10.486	119	2825	0.318	ug/L	#	94
106) 1,2-Dibromo-3-chloropr...	10.600	155	72	0.610	ug/L		97
107) 1,3,5-Trichlorobenzene	10.617	180	1089	0.341	ug/L	#	90
108) Hexachlorobutadiene	10.959	225	285	0.572	ug/L	#	70
109) 1,2,4-Trichlorobenzene	10.973	180	1444	0.444	ug/L	#	84
110) Naphthalene	11.157	128	2760	0.610	ug/L		100
111) 1,2,3-Trichlorobenzene	11.257	180	1224	0.409	ug/L		94

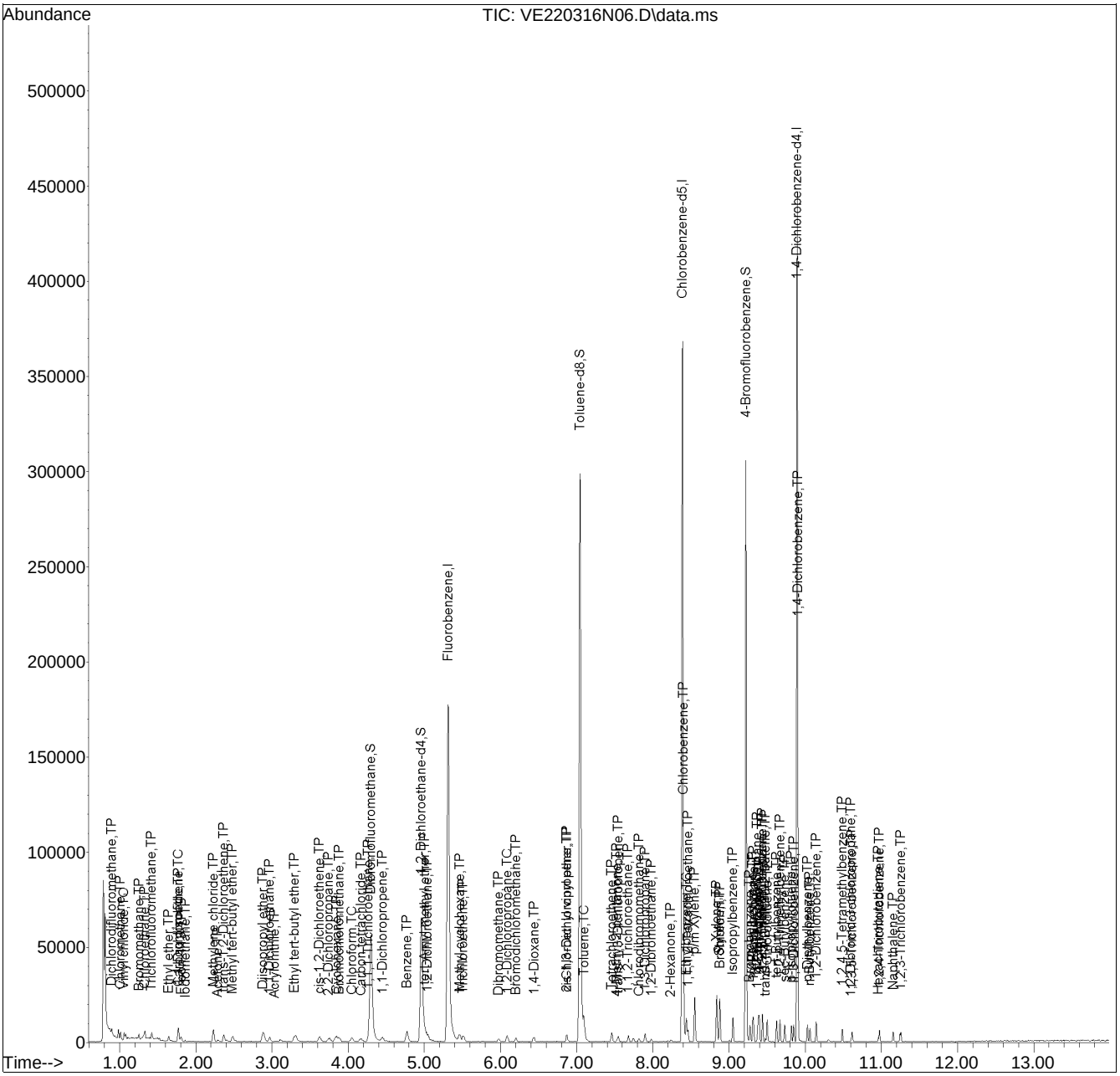
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N06.D
Acq On : 17 Mar 2022 2:08 am
Operator : ELAINE:PD
Sample : I8260STD0.5PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 15:53:22 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

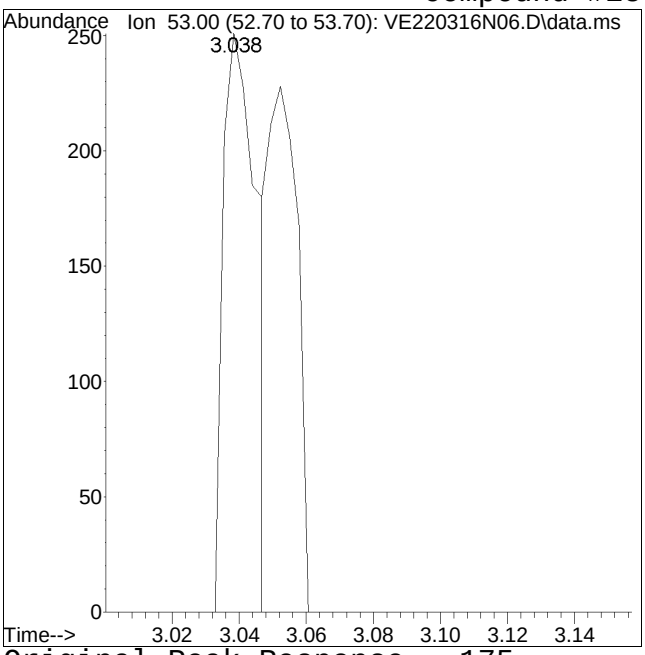
Sub List : 8260-Curve - Megamix plus Diox20316NICAL\VE220316N09.D•



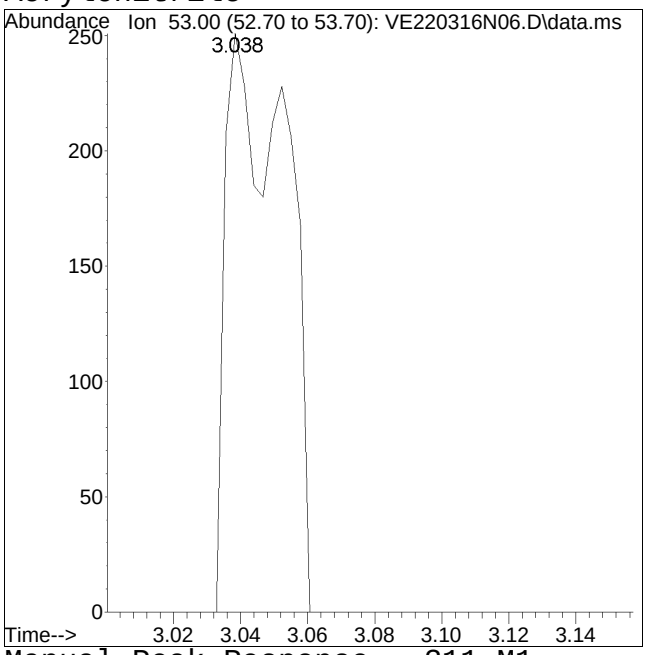
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N06.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 2:08 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 3/17/2022 3:53 pm

Compound #25: Acrylonitrile



Original Peak Response = 175



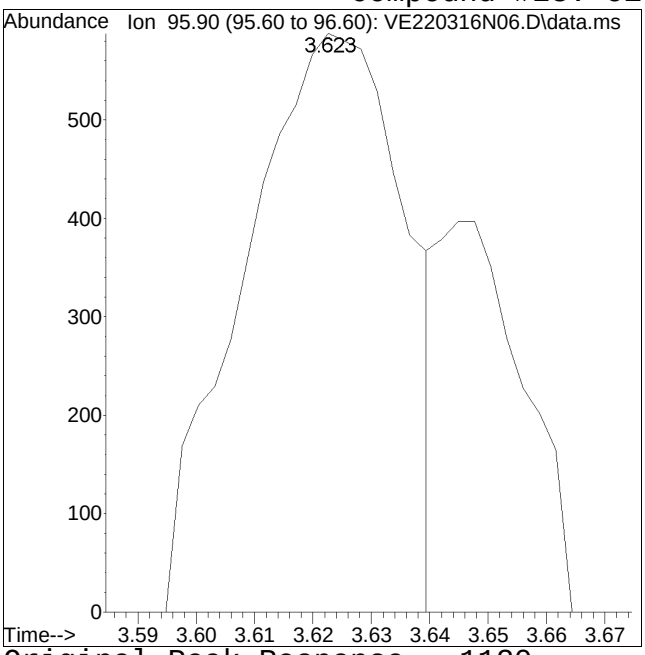
Manual Peak Response = 311 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

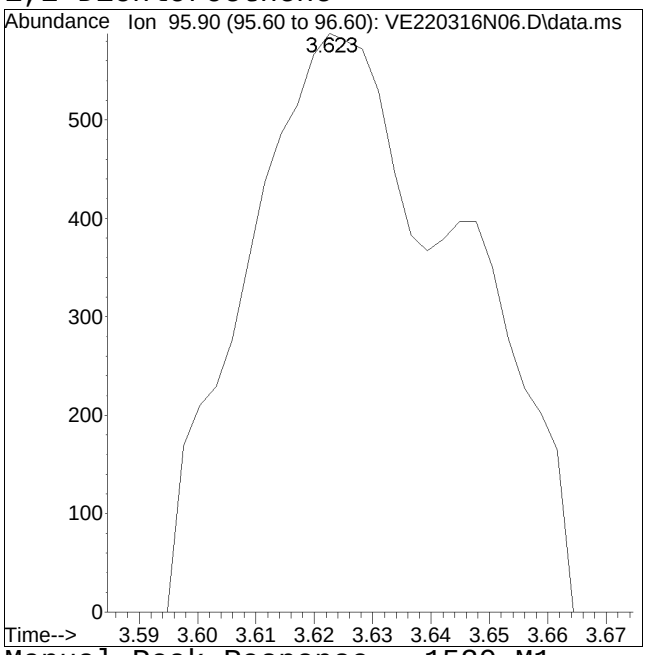
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N06.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 2:08 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 3/17/2022 3:53 pm

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 1120



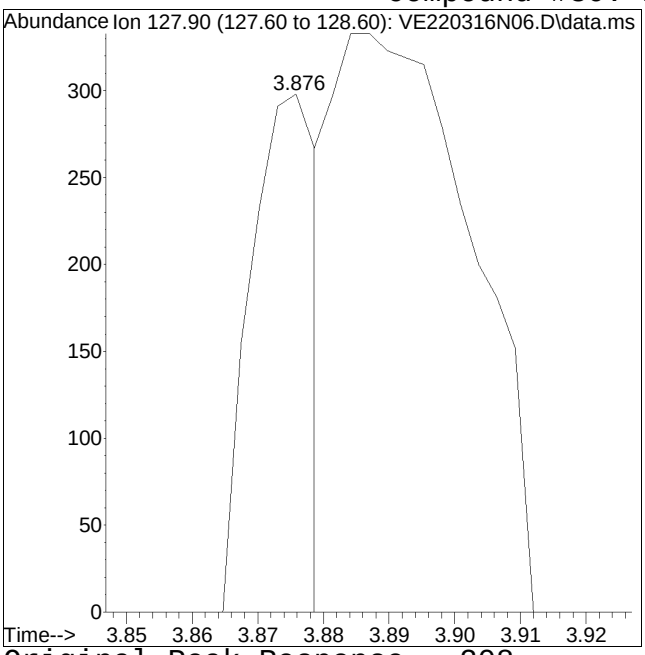
Manual Peak Response = 1520 M1

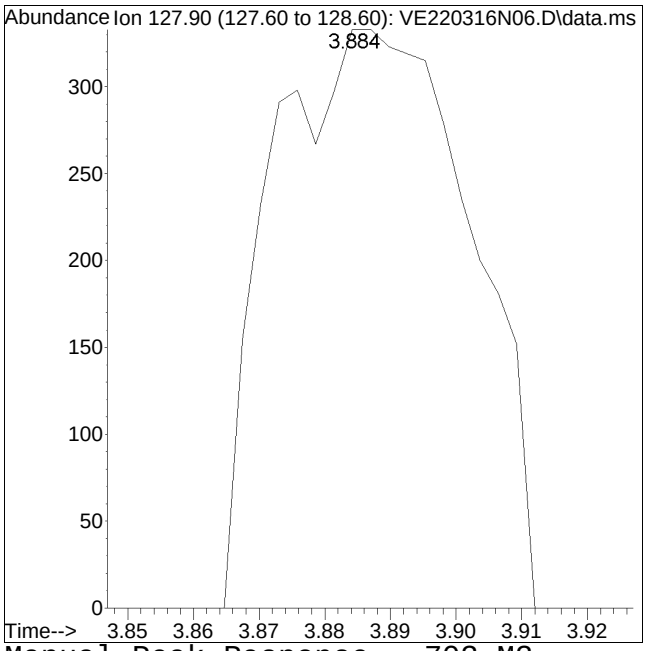
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N06.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 2:08 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 3/17/2022 3:53 pm

Compound #30: Bromochloromethane





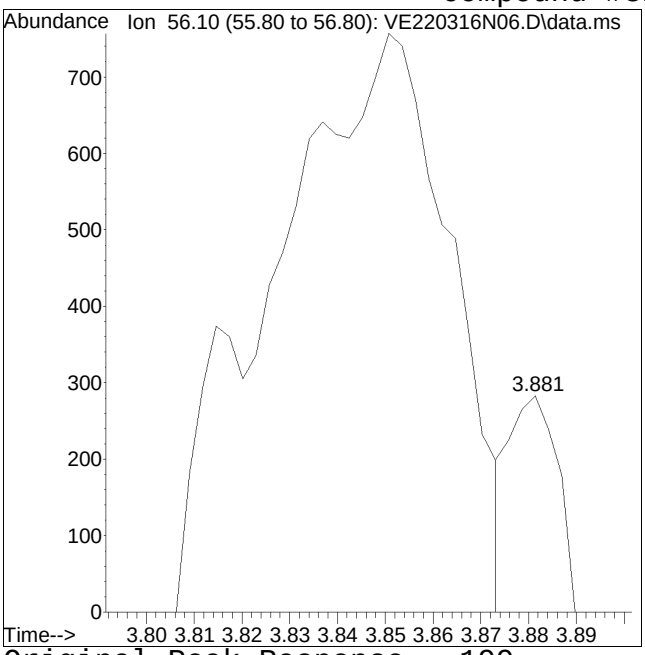
Original Peak Response = 208 Manual Peak Response = 703 M3

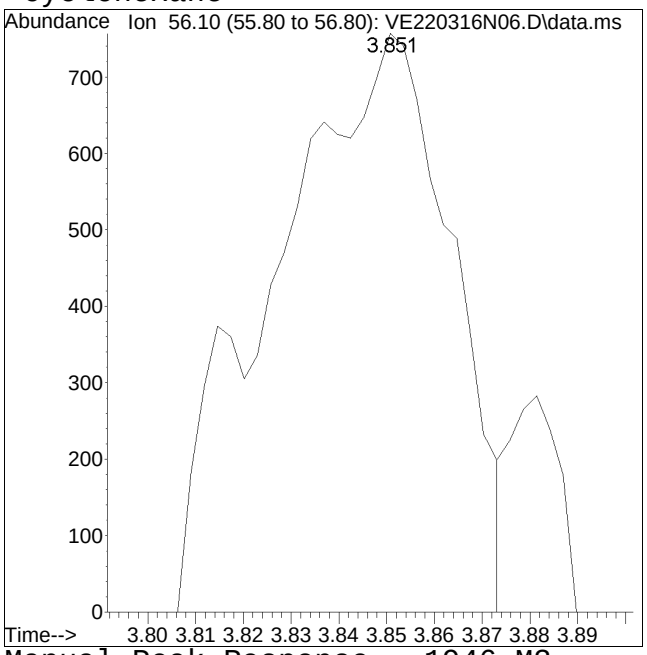
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N06.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 2:08 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 3/17/2022 3:53 pm

Compound #31: Cyclohexane





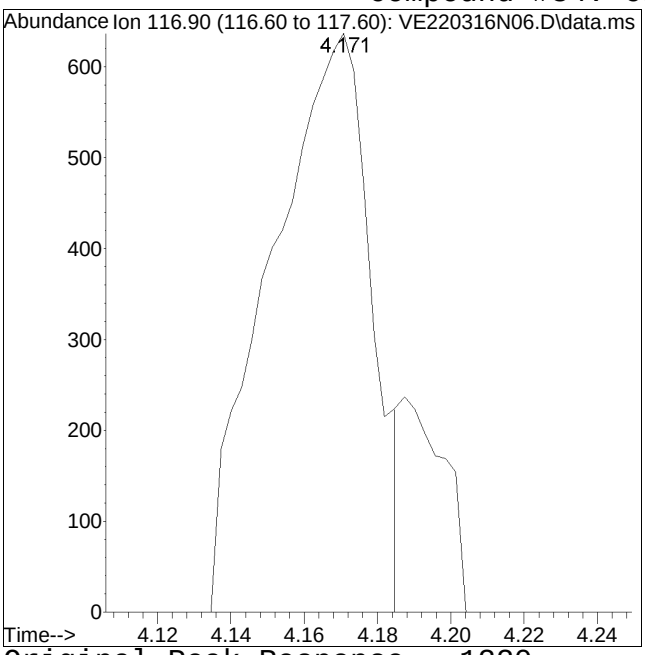
Original Peak Response = 199 Manual Peak Response = 1946 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

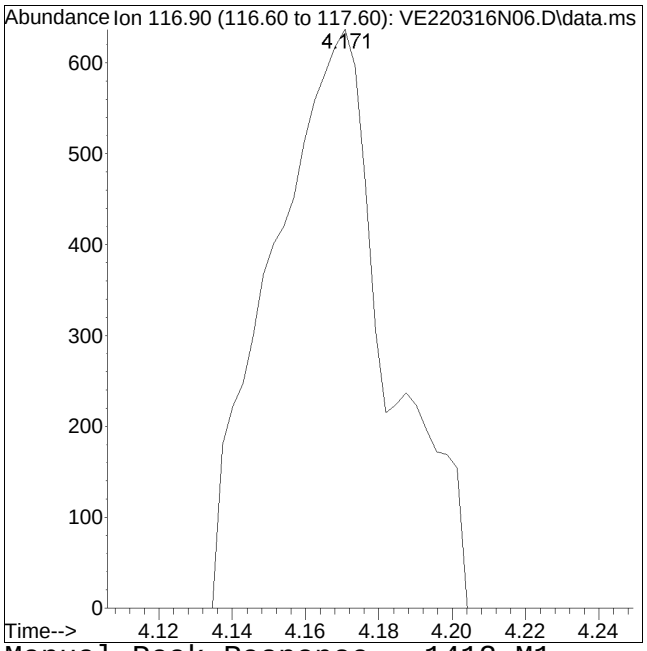
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N06.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 2:08 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 3/17/2022 3:53 pm

Compound #34: Carbon tetrachloride



Original Peak Response = 1220



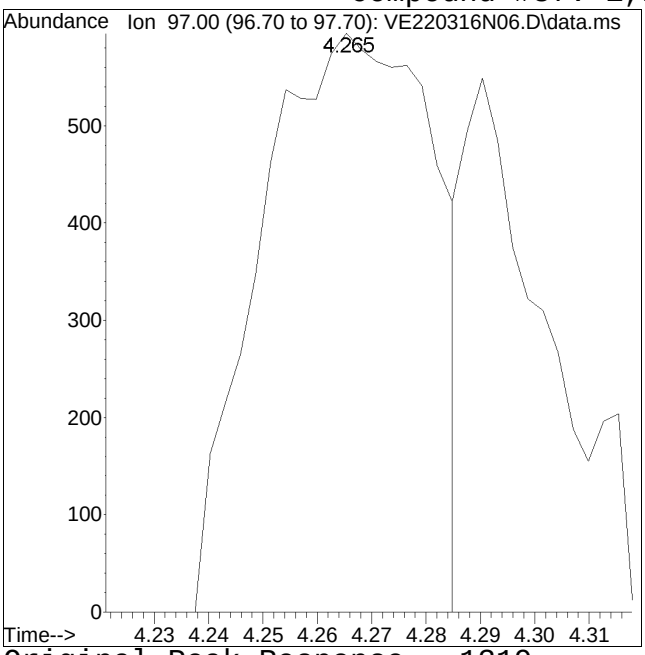
Manual Peak Response = 1412 M1

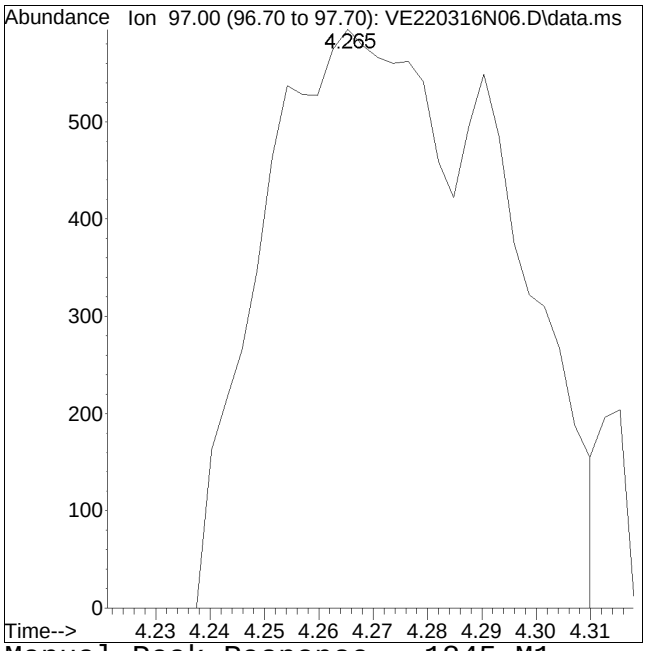
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N06.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 2:08 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 3/17/2022 3:53 pm

Compound #37: 1,1,1-Trichloroethane



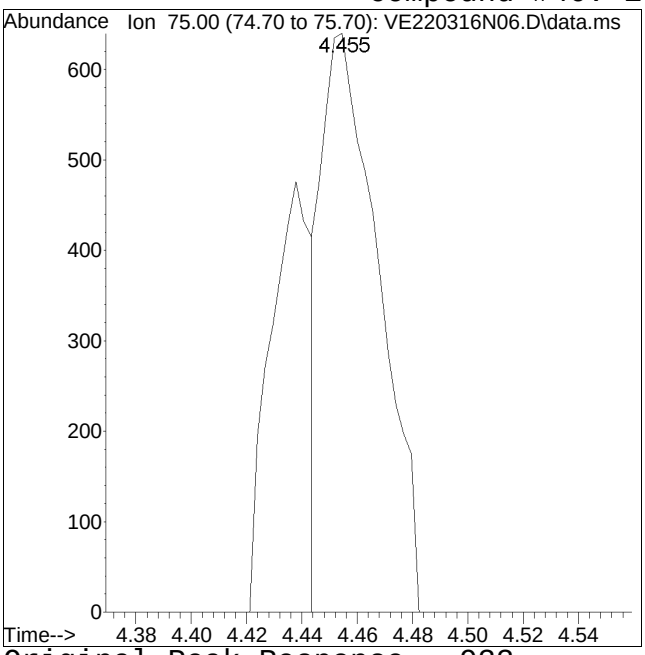


Original Peak Response = 1319 Manual Peak Response = 1845 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

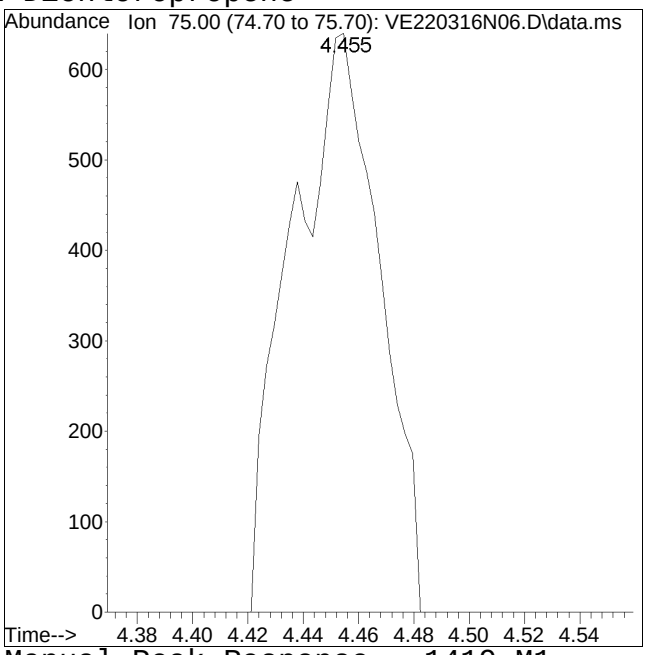
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N06.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 2:08 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 3/17/2022 3:53 pm

Compound #40: 1,1-Dichloropropene



Original Peak Response = 933



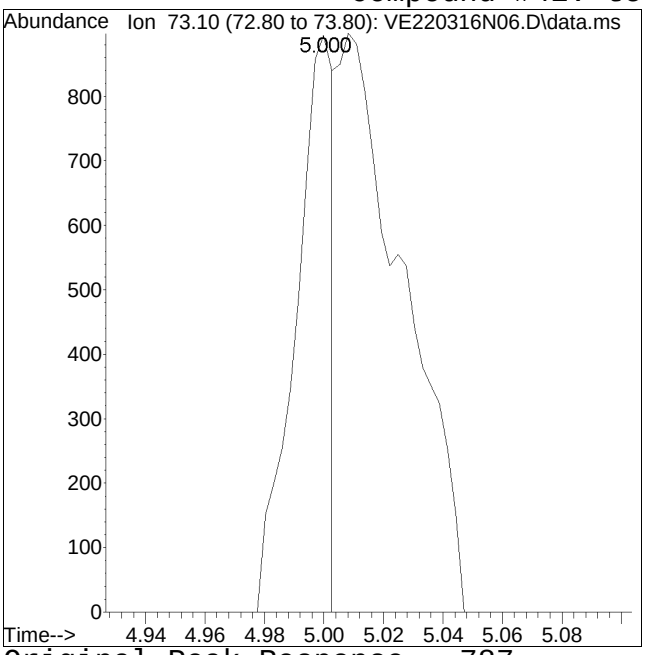
Manual Peak Response = 1419 M1

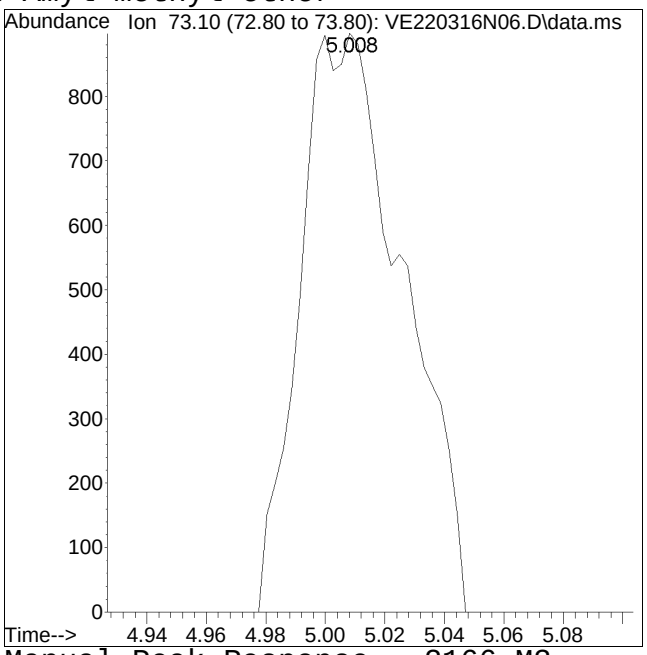
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N06.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 2:08 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 3/17/2022 3:53 pm

Compound #42: tert-Amyl methyl ether





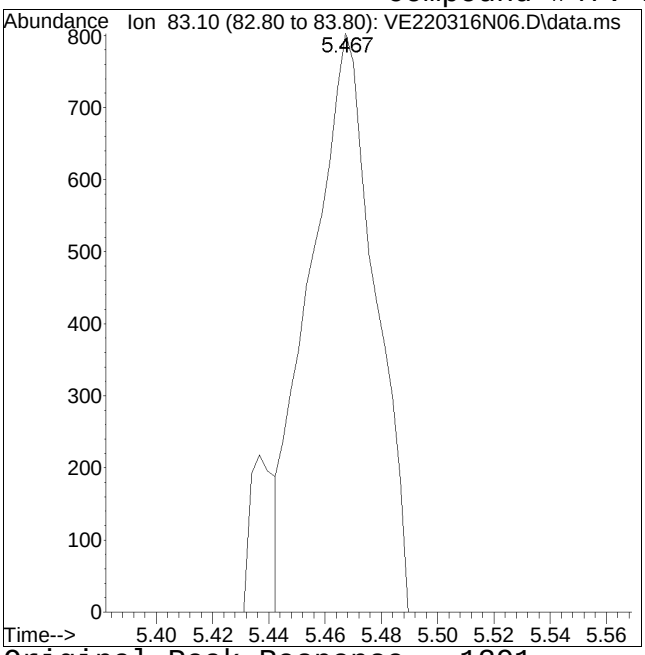
Original Peak Response = 787 Manual Peak Response = 2166 M3

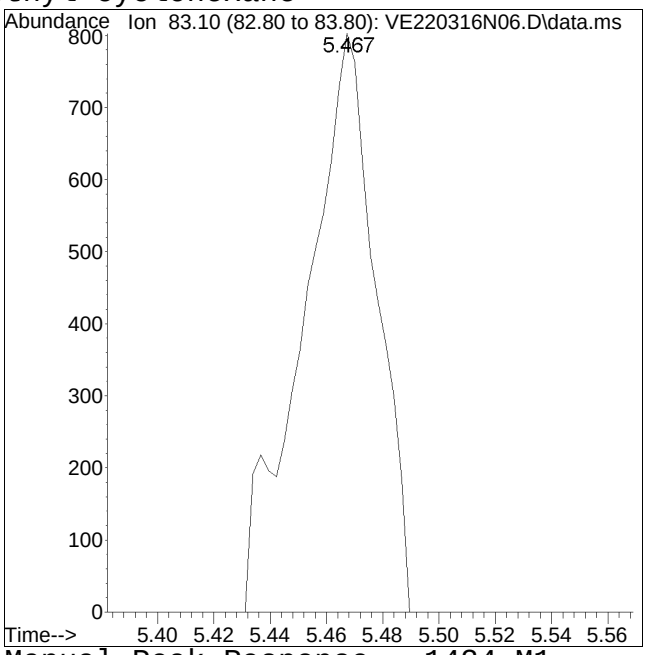
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N06.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 2:08 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 3/17/2022 3:53 pm

Compound #47: Methyl cyclohexane





Original Peak Response = 1291 Manual Peak Response = 1424 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N07.D
Acq On : 17 Mar 2022 2:29 am
Operator : ELAINE:PD
Sample : I8260STD2PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 15:55:50 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 15:55:45 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.311	96	175418	10.000	ug/L	0.00
Standard Area 1 = 183905			Recovery = 95.39%			
59) Chlorobenzene-d5	8.389	117	134041	10.000	ug/L	0.00
Standard Area 1 = 135053			Recovery = 99.25%			
79) 1,4-Dichlorobenzene-d4	9.894	152	66874	10.000	ug/L	0.00
Standard Area 1 = 72095			Recovery = 92.76%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.299	113	44962	10.453	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.53%			
43) 1,2-Dichloroethane-d4	4.961	65	52254	10.236	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.36%			
60) Toluene-d8	7.045	98	169147	9.627	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.27%			
83) 4-Bromofluorobenzene	9.220	95	64632	10.151	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.51%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.896	85	5497	1.968	ug/L	98
3) Chloromethane	1.013	50	7872	1.981	ug/L	98
4) Vinyl chloride	1.060	62	6976	1.897	ug/L	99
5) Bromomethane	1.252	94	2324	1.803	ug/L	100
6) Chloroethane	1.333	64	3589	2.148	ug/L	99
7) Trichlorofluoromethane	1.422	101	8019	1.982	ug/L	90
8) Ethyl ether	1.644	74	2791	1.889	ug/L	88
10) 1,1-Dichloroethene	1.767	96	5047	1.964	ug/L #	77
11) Carbon disulfide	1.772	76	11744	1.940	ug/L	99
12) Freon-113	1.803	101	4932	1.938	ug/L	99
13) Iodomethane	1.867	142	1553	2.474	ug/L #	80
14) Acrolein	2.031	56	464	2.342	ug/L	90
15) Methylene chloride	2.229	84	6793	2.116	ug/L	99
17) Acetone	2.287	43	1675	2.206	ug/L #	88
18) trans-1,2-Dichloroethene	2.368	96	5264	1.921	ug/L	86
19) Methyl acetate	2.407	43	3633	1.809	ug/L #	91
20) Methyl tert-butyl ether	2.479	73	10821	1.661	ug/L #	80
21) tert-Butyl alcohol	2.632	59	1193	7.930	ug/L #	40
22) Diisopropyl ether	2.883	45	23409	1.770	ug/L	94
23) 1,1-Dichloroethane	2.969	63	12197	2.003	ug/L	96
24) Halothane	3.113	117	4062	1.777	ug/L #	60

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N07.D
Acq On : 17 Mar 2022 2:29 am
Operator : ELAINE:PD
Sample : I8260STD2PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 15:55:50 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 15:55:45 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.041	53	1682	1.677	ug/L	#	71
26) Ethyl tert-butyl ether	3.297	59	14866	1.589	ug/L		95
27) Vinyl acetate	3.319	43	9359	2.510	ug/L	#	87
28) cis-1,2-Dichloroethene	3.620	96	5699	1.803	ug/L		86
29) 2,2-Dichloropropane	3.751	77	5931	1.668	ug/L	#	53
30) Bromochloromethane	3.881	128	2931	2.022	ug/L		89
31) Cyclohexane	3.842	56	10052	1.710	ug/L		87
32) Chloroform	4.048	83	9845	1.912	ug/L		93
33) Ethyl acetate	4.299	43	3256M1	1.370	ug/L		
34) Carbon tetrachloride	4.160	117	6687M3	1.809	ug/L		
35) Tetrahydrofuran	4.263	42	1351M4	1.789	ug/L		
37) 1,1,1-Trichloroethane	4.265	97	7318	1.740	ug/L	#	83
39) 2-Butanone	4.516	43	1709M3	1.563	ug/L		
40) 1,1-Dichloropropene	4.446	75	6254	1.664	ug/L		94
41) Benzene	4.772	78	22714	1.886	ug/L		97
42) tert-Amyl methyl ether	5.003	73	9887	1.786	ug/L	#	76
44) 1,2-Dichloroethane	5.047	62	7514	1.813	ug/L		99
47) Methyl cyclohexane	5.464	83	5675	1.596	ug/L		99
48) Trichloroethene	5.509	95	5041	1.719	ug/L		96
50) Dibromomethane	5.974	93	3034	1.934	ug/L		92
51) 1,2-Dichloropropane	6.085	63	6508	1.907	ug/L		93
53) 2-Chloroethyl vinyl ether	6.861	63	2266	2.491	ug/L	#	86
54) Bromodichloromethane	6.199	83	6994	1.822	ug/L		99
57) 1,4-Dioxane	6.430	88	6750	407.712	ug/L		92
58) cis-1,3-Dichloropropene	6.869	75	7266	1.656	ug/L		97
61) Toluene	7.092	92	14619	1.849	ug/L		97
62) 4-Methyl-2-pentanone	7.529	58	1322	1.378	ug/L		78
63) Tetrachloroethene	7.459	166	5235	1.765	ug/L		89
65) trans-1,3-Dichloropropene	7.546	75	5329	1.714	ug/L		82
67) Ethyl methacrylate	7.740	69	4335	1.451	ug/L		97
68) 1,1,2-Trichloroethane	7.679	83	3441	1.725	ug/L		95
69) Chlorodibromomethane	7.815	129	4669	1.691	ug/L		92
70) 1,3-Dichloropropane	7.896	76	7821	1.770	ug/L		99
71) 1,2-Dibromoethane	7.980	107	3735	1.823	ug/L		97
72) 2-Hexanone	8.236	43	2662	1.640	ug/L	#	88
73) Chlorobenzene	8.400	112	15769	1.876	ug/L		96
74) Ethylbenzene	8.439	91	25154	1.812	ug/L		98
75) 1,1,1,2-Tetrachloroethane	8.461	131	4608	1.667	ug/L		88
76) p/m Xylene	8.550	106	20053	3.767	ug/L		93
77) o Xylene	8.837	106	19548	3.721	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N07.D
Acq On : 17 Mar 2022 2:29 am
Operator : ELAINE:PD
Sample : I8260STD2PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 15:55:50 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 15:55:45 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.878	104	30405	3.607	ug/L		91
80) Bromoform	8.881	173	2737	1.752	ug/L		92
82) Isopropylbenzene	9.051	105	23428	1.814	ug/L		99
84) Bromobenzene	9.273	156	6097	1.842	ug/L		94
85) n-Propylbenzene	9.312	91	26296	1.789	ug/L		99
86) 1,4-Dichlorobutane	9.321	55	9898	1.869	ug/L	#	88
87) 1,1,2,2-Tetrachloroethane	9.373	83	4858	1.825	ug/L		93
88) 4-Ethyltoluene	9.385	105	21162	1.739	ug/L		98
89) 2-Chlorotoluene	9.396	91	21768	1.984	ug/L		95
90) 1,3,5-Trimethylbenzene	9.437	105	19141	1.851	ug/L		91
91) 1,2,3-Trichloropropane	9.440	75	4085	1.797	ug/L		96
92) trans-1,4-Dichloro-2-b...	9.476	53	1654	1.752	ug/L	#	79
93) 4-Chlorotoluene	9.501	91	18421	1.833	ug/L		96
94) tert-Butylbenzene	9.624	119	15372	1.856	ug/L		95
97) 1,2,4-Trimethylbenzene	9.668	105	18619	1.765	ug/L		96
98) sec-Butylbenzene	9.730	105	19588	1.784	ug/L		98
99) p-Isopropyltoluene	9.819	119	15693	1.784	ug/L		97
100) 1,3-Dichlorobenzene	9.849	146	11096	1.867	ug/L		99
101) 1,4-Dichlorobenzene	9.902	146	11712	1.943	ug/L	#	93
102) p-Diethylbenzene	10.030	119	8981	1.624	ug/L		91
103) n-Butylbenzene	10.061	91	12203	1.778	ug/L		99
104) 1,2-Dichlorobenzene	10.144	146	11020	1.910	ug/L		97
105) 1,2,4,5-Tetramethylben...	10.486	119	13054	1.482	ug/L		95
106) 1,2-Dibromo-3-chloropr...	10.603	155	471	1.702	ug/L	#	64
107) 1,3,5-Trichlorobenzene	10.617	180	5749	1.816	ug/L		93
108) Hexachlorobutadiene	10.962	225	1537	1.871	ug/L		93
109) 1,2,4-Trichlorobenzene	10.973	180	5585	1.734	ug/L		90
110) Naphthalene	11.154	128	12754	1.781	ug/L		100
111) 1,2,3-Trichlorobenzene	11.257	180	4906	1.655	ug/L		97

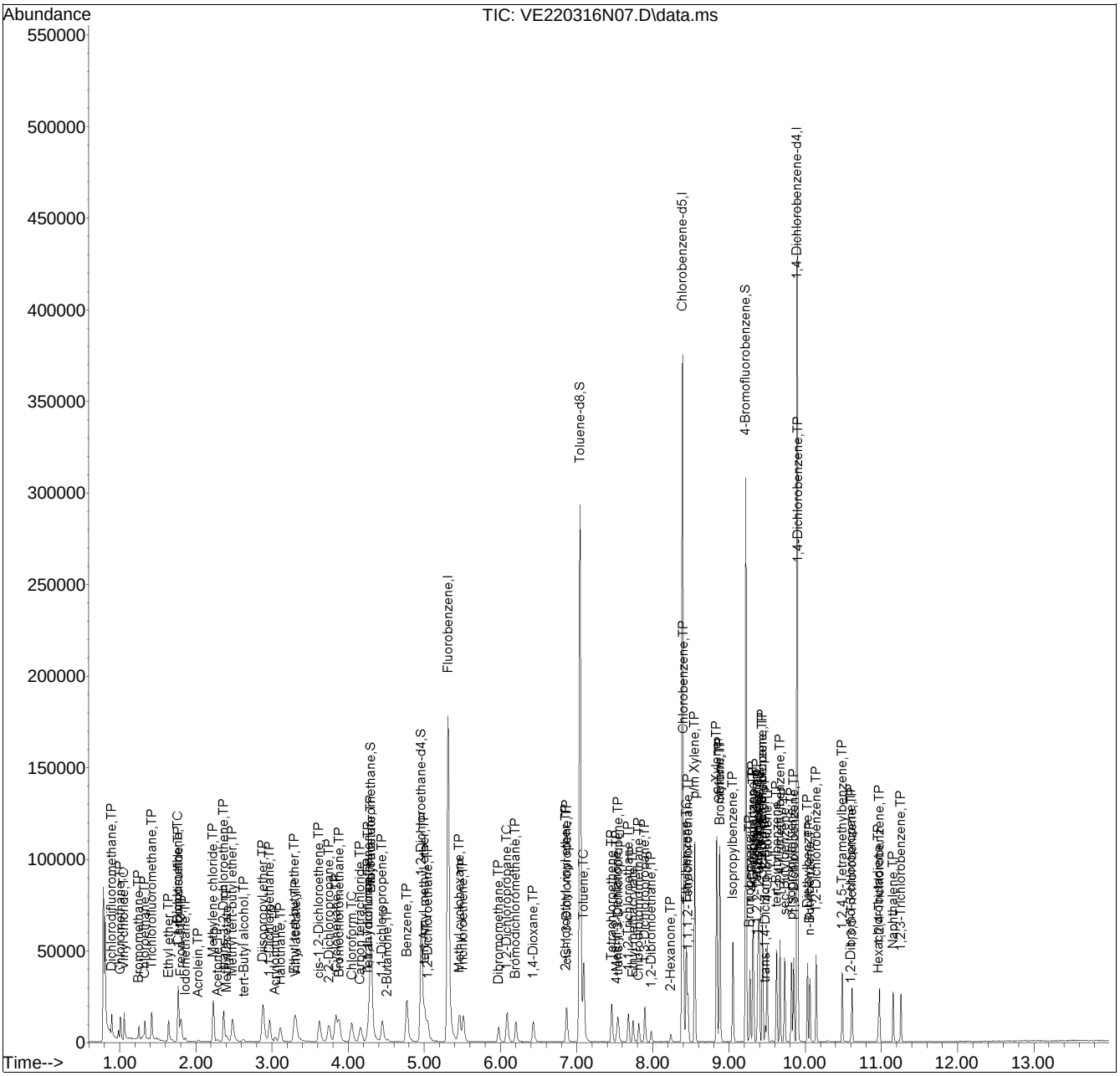
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N07.D
Acq On : 17 Mar 2022 2:29 am
Operator : ELAINE:PD
Sample : I8260STD2PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 15:55:50 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 15:55:45 2022
Response via : Initial Calibration

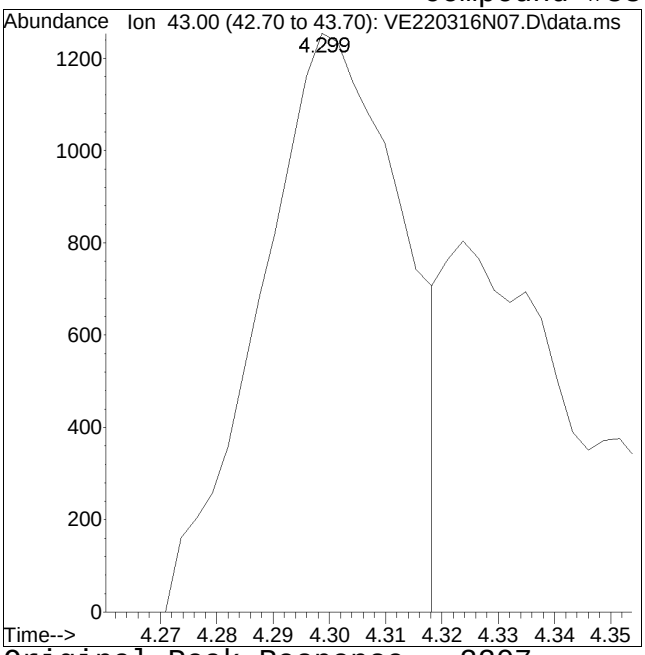
Sub List : 8260-Curve - Megamix plus Diox20316NICAL\VE220316N09.D•



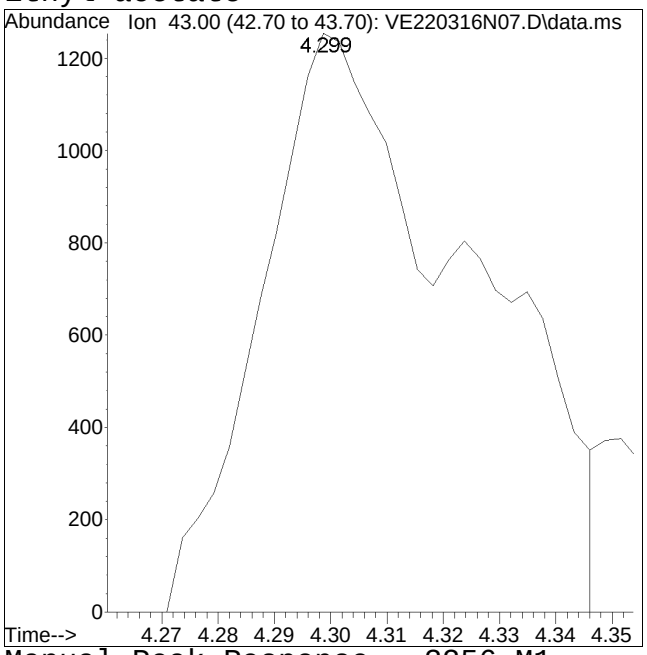
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N07.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 2:29 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 3/17/2022 3:55 pm

Compound #33: Ethyl acetate



Original Peak Response = 2207



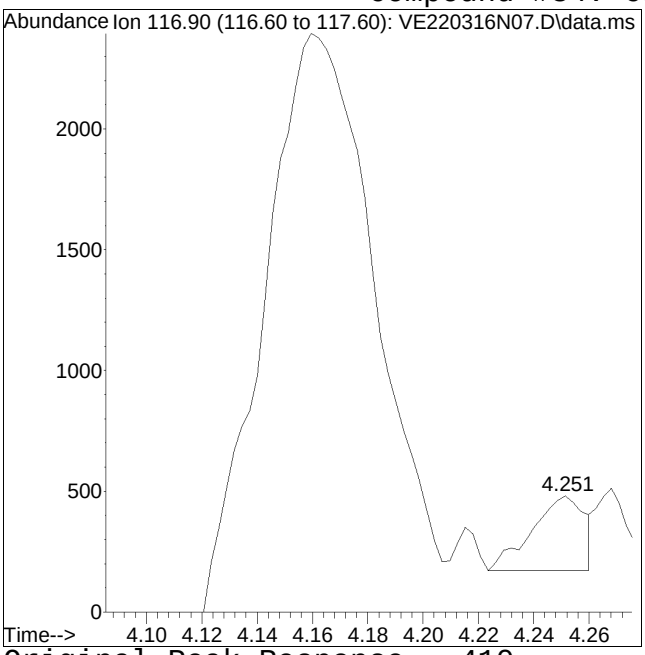
Manual Peak Response = 3256 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

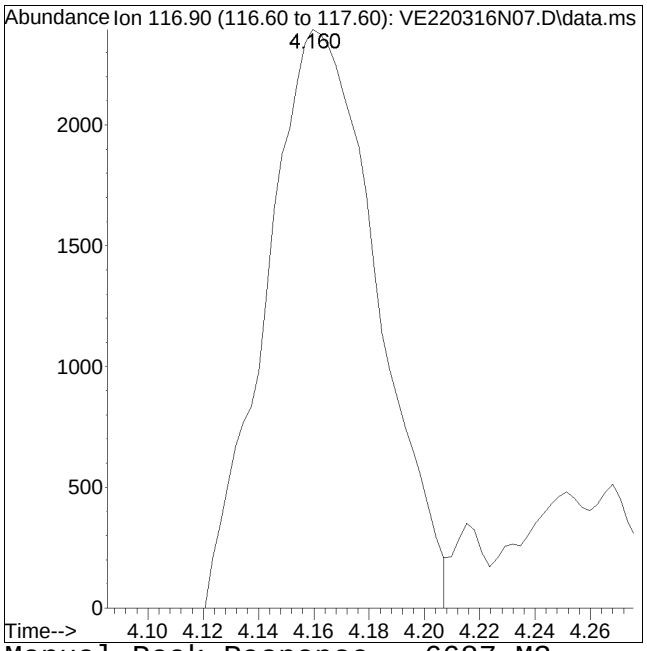
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N07.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 2:29 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 3/17/2022 3:55 pm

Compound #34: Carbon tetrachloride



Original Peak Response = 410



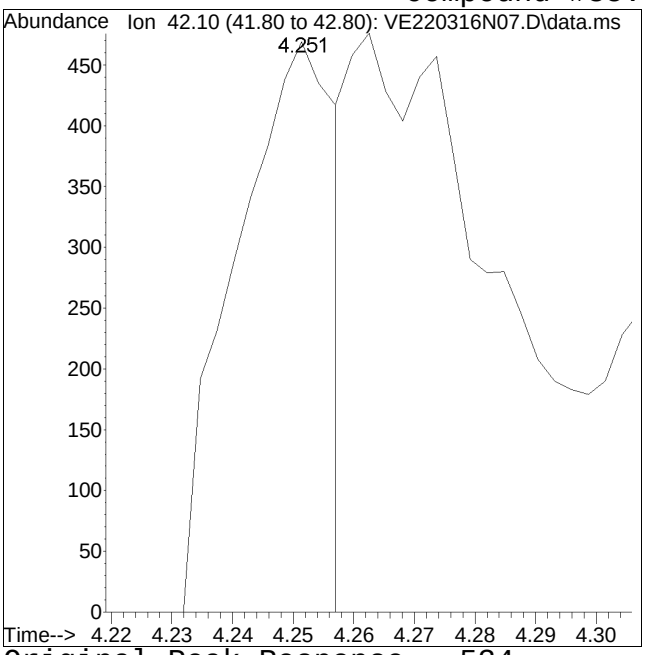
Manual Peak Response = 6687 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

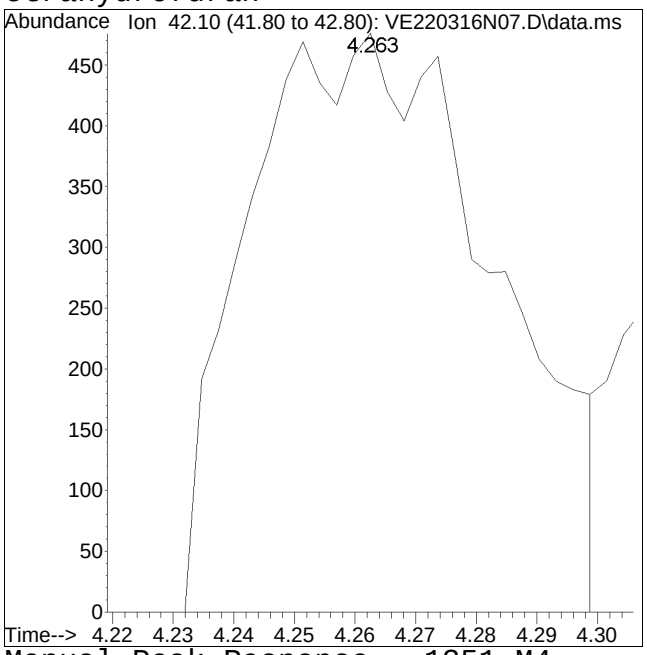
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N07.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 2:29 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 3/17/2022 3:55 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 534



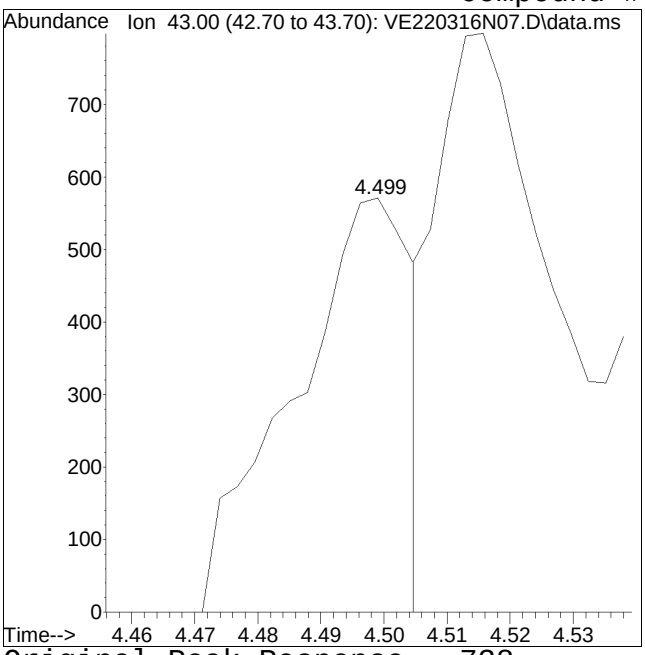
Manual Peak Response = 1351 M4

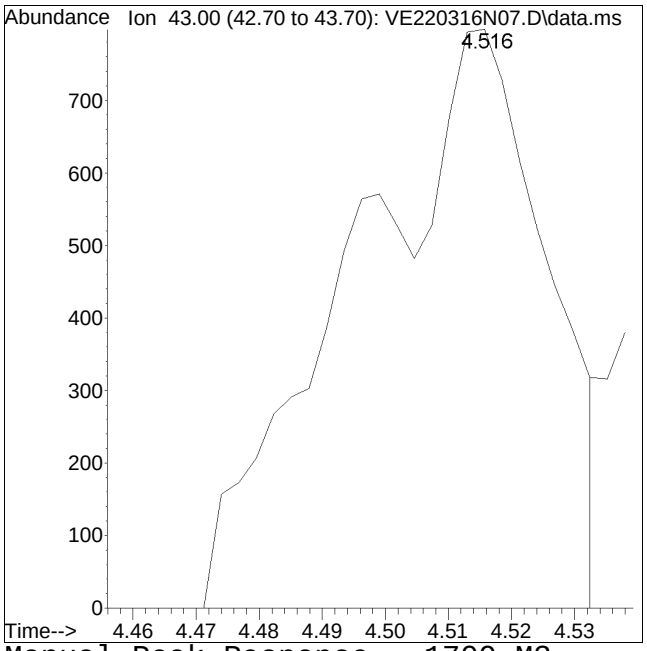
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N07.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 2:29 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 3/17/2022 3:55 pm

Compound #39: 2-Butanone





Original Peak Response = 738 Manual Peak Response = 1709 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N09.D
Acq On : 17 Mar 2022 3:10 am
Operator : ELAINE:PD
Sample : I8260STD10PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:17 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.312	96	183905	10.000	ug/L	0.00
Standard Area 1 = 183905			Recovery = 100.00%			
59) Chlorobenzene-d5	8.389	117	135053	10.000	ug/L	0.00
Standard Area 1 = 135053			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	9.894	152	72095	10.000	ug/L	0.00
Standard Area 1 = 72095			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.299	113	45334	10.054	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.54%			
43) 1,2-Dichloroethane-d4	4.961	65	53741	10.041	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.41%			
60) Toluene-d8	7.045	98	177255	10.013	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.13%			
83) 4-Bromofluorobenzene	9.221	95	67586	9.847	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.47%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.899	85	28588	9.763	ug/L	96
3) Chloromethane	1.013	50	39896	9.577	ug/L	98
4) Vinyl chloride	1.060	62	35771	9.281	ug/L	95
5) Bromomethane	1.255	94	11759	8.702	ug/L	96
6) Chloroethane	1.330	64	17602	10.048	ug/L	96
7) Trichlorofluoromethane	1.422	101	40052	9.443	ug/L	97
8) Ethyl ether	1.645	74	13475	8.697	ug/L	91
10) 1,1-Dichloroethene	1.767	96	25505	9.468	ug/L	77
11) Carbon disulfide	1.775	76	59544	9.381	ug/L	97
12) Freon-113	1.806	101	24682	9.250	ug/L	90
13) Iodomethane	1.867	142	12809	7.073	ug/L	84
14) Acrolein	2.034	56	3961	9.608	ug/L	96
15) Methylene chloride	2.232	84	31009	9.215	ug/L	97
17) Acetone	2.287	43	8125	10.207	ug/L	97
18) trans-1,2-Dichloroethene	2.368	96	26265	9.141	ug/L	92
19) Methyl acetate	2.404	43	19544	9.285	ug/L	100
20) Methyl tert-butyl ether	2.479	73	65517	9.593	ug/L #	91
21) tert-Butyl alcohol	2.632	59	6443	40.849	ug/L #	42
22) Diisopropyl ether	2.880	45	122455	8.833	ug/L	98
23) 1,1-Dichloroethane	2.972	63	60631	9.496	ug/L	97
24) Halothane	3.111	117	21705	9.055	ug/L	96

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N09.D
Acq On : 17 Mar 2022 3:10 am
Operator : ELAINE:PD
Sample : I8260STD10PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:17 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.044	53	10756	10.227	ug/L		97
26) Ethyl tert-butyl ether	3.300	59	84733	8.639	ug/L		88
27) Vinyl acetate	3.317	43	63258	8.439	ug/L		96
28) cis-1,2-Dichloroethene	3.623	96	30766	9.282	ug/L		84
29) 2,2-Dichloropropane	3.745	77	33229	8.915	ug/L	#	57
30) Bromochloromethane	3.884	128	14043	9.239	ug/L		95
31) Cyclohexane	3.840	56	58219	9.448	ug/L		96
32) Chloroform	4.048	83	50681	9.388	ug/L		97
33) Ethyl acetate	4.302	43	21383M4	8.579	ug/L		
34) Carbon tetrachloride	4.165	117	35891	9.260	ug/L		98
35) Tetrahydrofuran	4.238	42	7188M1	9.081	ug/L		
37) 1,1,1-Trichloroethane	4.268	97	40047	9.083	ug/L	#	94
39) 2-Butanone	4.499	43	9681	8.444	ug/L		97
40) 1,1-Dichloropropene	4.449	75	36751	9.326	ug/L		95
41) Benzene	4.772	78	120834	9.572	ug/L		96
42) tert-Amyl methyl ether	5.006	73	58582	8.814	ug/L	#	84
44) 1,2-Dichloroethane	5.045	62	42558	9.794	ug/L		99
47) Methyl cyclohexane	5.462	83	32579	8.742	ug/L		96
48) Trichloroethene	5.512	95	27728	9.020	ug/L		97
50) Dibromomethane	5.971	93	15674	9.532	ug/L		95
51) 1,2-Dichloropropane	6.085	63	33141	9.265	ug/L	#	92
53) 2-Chloroethyl vinyl ether	6.861	63	14964	8.432	ug/L	#	86
54) Bromodichloromethane	6.202	83	37173	9.238	ug/L		98
57) 1,4-Dioxane	6.427	88	8488	489.030	ug/L		91
58) cis-1,3-Dichloropropene	6.870	75	39831	8.657	ug/L		95
61) Toluene	7.092	92	74981	9.411	ug/L		96
62) 4-Methyl-2-pentanone	7.526	58	8192	8.475	ug/L	#	70
63) Tetrachloroethene	7.462	166	26868	8.988	ug/L		89
65) trans-1,3-Dichloropropene	7.543	75	31474	8.450	ug/L		87
67) Ethyl methacrylate	7.738	69	26478	8.799	ug/L		96
68) 1,1,2-Trichloroethane	7.679	83	18918	9.412	ug/L		96
69) Chlorodibromomethane	7.816	129	25437	9.144	ug/L		95
70) 1,3-Dichloropropane	7.894	76	41344	9.285	ug/L		100
71) 1,2-Dibromoethane	7.977	107	20702	8.475	ug/L		100
72) 2-Hexanone	8.230	43	15343	9.380	ug/L	#	92
73) Chlorobenzene	8.400	112	78988	9.324	ug/L		93
74) Ethylbenzene	8.439	91	135616	9.697	ug/L		98
75) 1,1,1,2-Tetrachloroethane	8.461	131	24272	8.717	ug/L		95
76) p/m Xylene	8.550	106	108455	20.222	ug/L		94
77) o Xylene	8.839	106	104913	19.820	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N09.D
Acq On : 17 Mar 2022 3:10 am
Operator : ELAINE:PD
Sample : I8260STD10PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:17 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	8.876	104	172083	20.263	ug/L		89
80)	Bromoform	8.881	173	14315	8.502	ug/L		97
82)	Isopropylbenzene	9.051	105	126502	9.084	ug/L		95
84)	Bromobenzene	9.276	156	31650	8.868	ug/L		94
85)	n-Propylbenzene	9.312	91	144664	9.128	ug/L		98
86)	1,4-Dichlorobutane	9.321	55	53304	9.335	ug/L	#	90
87)	1,1,2,2-Tetrachloroethane	9.371	83	26513	9.237	ug/L		99
88)	4-Ethyltoluene	9.382	105	119467	9.107	ug/L		96
89)	2-Chlorotoluene	9.396	91	107116	9.055	ug/L		94
90)	1,3,5-Trimethylbenzene	9.438	105	103862	9.316	ug/L		91
91)	1,2,3-Trichloropropane	9.440	75	22321	9.110	ug/L		98
92)	trans-1,4-Dichloro-2-b...	9.474	53	9705	9.536	ug/L	#	74
93)	4-Chlorotoluene	9.499	91	100283	9.256	ug/L		95
94)	tert-Butylbenzene	9.624	119	81431	9.119	ug/L		98
97)	1,2,4-Trimethylbenzene	9.669	105	102357	8.999	ug/L		93
98)	sec-Butylbenzene	9.730	105	107214	9.056	ug/L		99
99)	p-Isopropyltoluene	9.819	119	88893	8.299	ug/L		97
100)	1,3-Dichlorobenzene	9.849	146	59369	9.266	ug/L		97
101)	1,4-Dichlorobenzene	9.902	146	58754	9.043	ug/L		97
102)	p-Diethylbenzene	10.030	119	49006	8.222	ug/L		93
103)	n-Butylbenzene	10.061	91	68983	8.285	ug/L		98
104)	1,2-Dichlorobenzene	10.144	146	56904	9.149	ug/L		98
105)	1,2,4,5-Tetramethylben...	10.487	119	76648	8.072	ug/L		96
106)	1,2-Dibromo-3-chloropr...	10.601	155	3395	8.931	ug/L		96
107)	1,3,5-Trichlorobenzene	10.615	180	30058	8.810	ug/L		96
108)	Hexachlorobutadiene	10.960	225	8329	8.279	ug/L		96
109)	1,2,4-Trichlorobenzene	10.973	180	28315	8.153	ug/L		97
110)	Naphthalene	11.154	128	76257	8.508	ug/L		100
111)	1,2,3-Trichlorobenzene	11.257	180	27138	8.494	ug/L		96

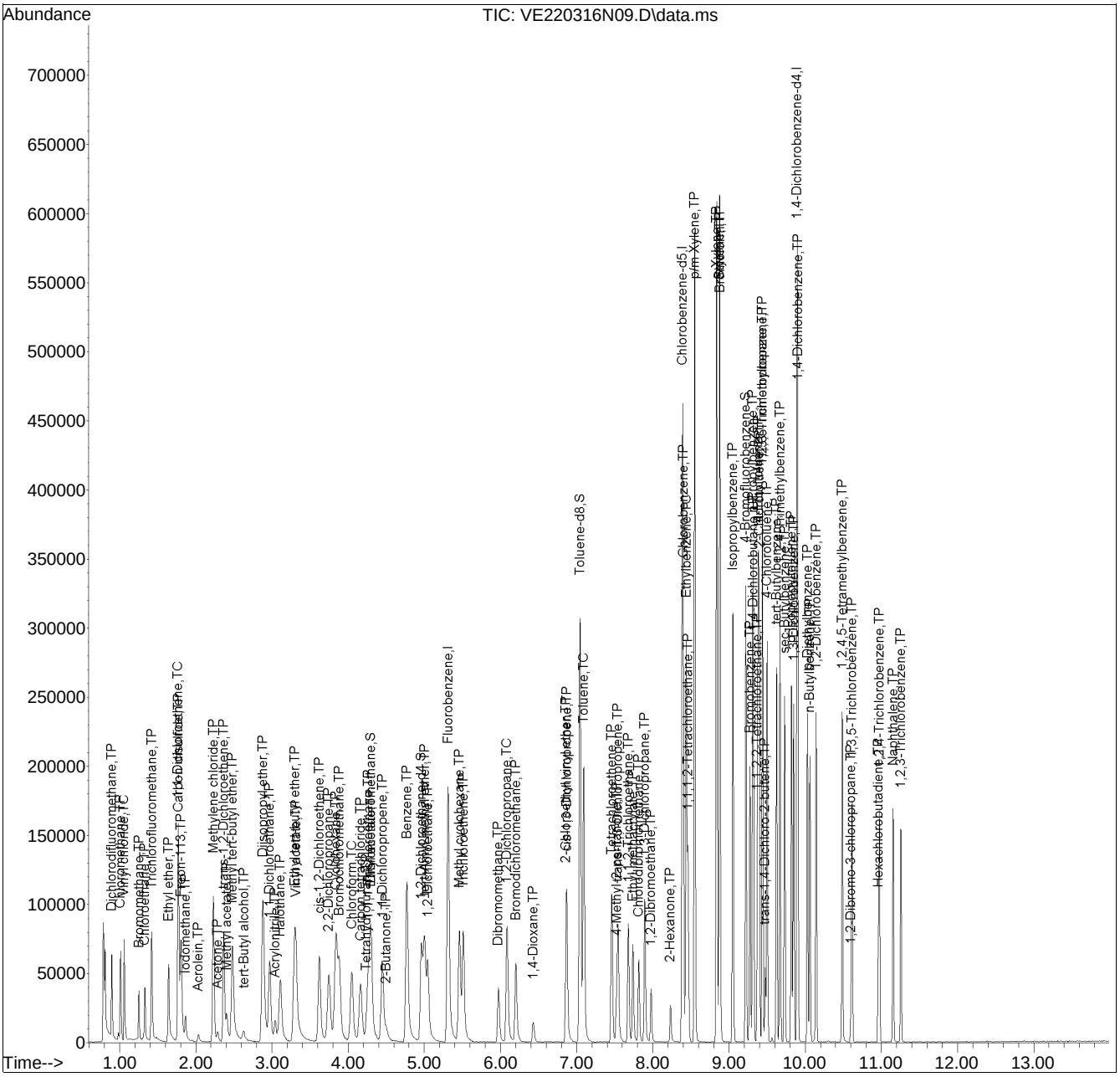
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N09.D
Acq On : 17 Mar 2022 3:10 am
Operator : ELAINE:PD
Sample : I8260STD10PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:17 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

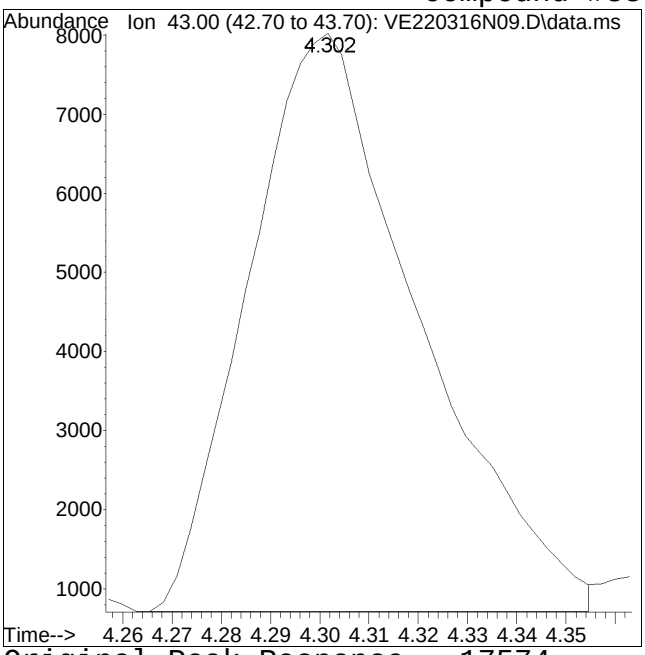
Sub List : 8260-Curve - Megamix plus Diox20316NICAL\VE220316N09.D•



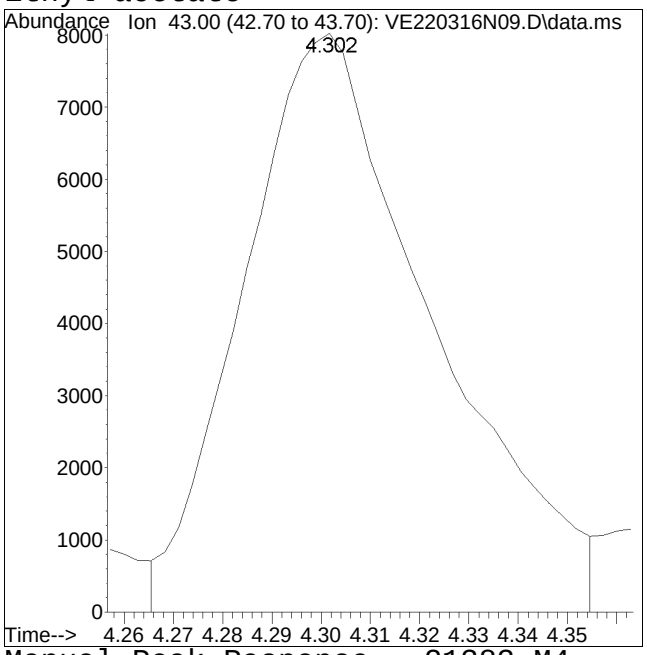
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N09.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 3:10 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 3/17/2022 12:40 pm

Compound #33: Ethyl acetate



Original Peak Response = 17574



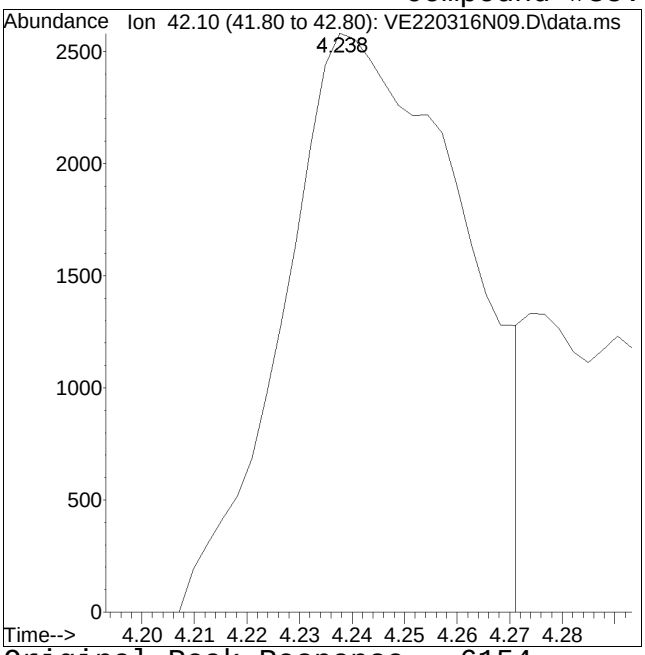
Manual Peak Response = 21383 M4

M4 = Poor automated baseline construction.

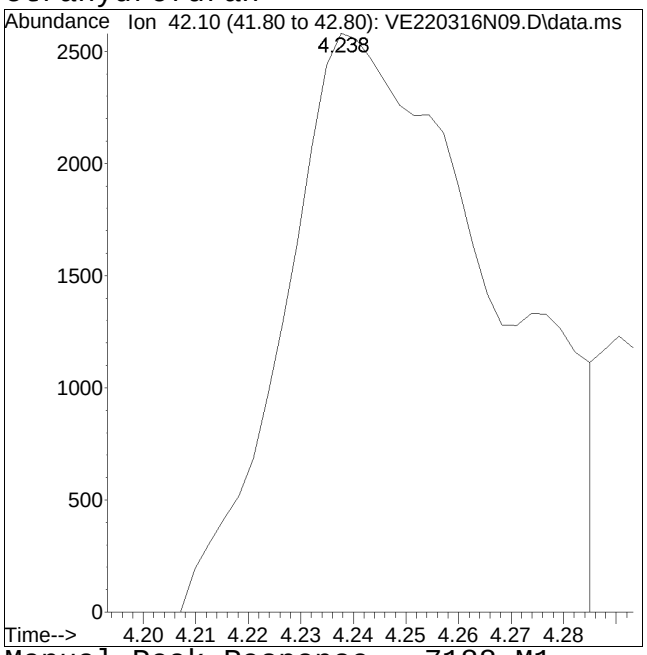
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N09.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 3:10 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 3/17/2022 12:40 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 6154



Manual Peak Response = 7188 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N10.D
Acq On : 17 Mar 2022 3:30 am
Operator : ELAINE:PD
Sample : I8260STD30PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:24 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.314	96	201191	10.000 ug/L	0.00
Standard Area 1 = 183905			Recovery = 109.40%		
59) Chlorobenzene-d5	8.389	117	140258	10.000 ug/L	0.00
Standard Area 1 = 135053			Recovery = 103.85%		
79) 1,4-Dichlorobenzene-d4	9.894	152	72028	10.000 ug/L	0.00
Standard Area 1 = 72095			Recovery = 99.91%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.299	113	46924	9.512 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.12%		
43) 1,2-Dichloroethane-d4	4.961	65	53973	9.218 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.18%		
60) Toluene-d8	7.045	98	184432	10.032 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.32%		
83) 4-Bromofluorobenzene	9.221	95	68654	10.011 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.11%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.896	85	105356	32.888 ug/L	97
3) Chloromethane	1.013	50	147698	32.410 ug/L	97
4) Vinyl chloride	1.060	62	137512	32.612 ug/L	97
5) Bromomethane	1.255	94	48793	33.005 ug/L	98
6) Chloroethane	1.333	64	69386	36.205 ug/L	99
7) Trichlorofluoromethane	1.422	101	158596	34.180 ug/L	95
8) Ethyl ether	1.645	74	55891	32.975 ug/L	94
10) 1,1-Dichloroethene	1.770	96	97043	32.928 ug/L	84
11) Carbon disulfide	1.775	76	235102	33.859 ug/L	95
12) Freon-113	1.806	101	103658	35.512 ug/L	99
13) Iodomethane	1.867	142	81535	31.447 ug/L	84
14) Acrolein	2.034	56	13581	27.286 ug/L	95
15) Methylene chloride	2.232	84	115182	31.288 ug/L	99
17) Acetone	2.284	43	23948	27.500 ug/L	98
18) trans-1,2-Dichloroethene	2.368	96	103652	32.974 ug/L	88
19) Methyl acetate	2.404	43	66126	28.715 ug/L	97
20) Methyl tert-butyl ether	2.479	73	248902	33.313 ug/L #	89
21) tert-Butyl alcohol	2.627	59	24556	142.309 ug/L #	44
22) Diisopropyl ether	2.880	45	496004	32.705 ug/L	99
23) 1,1-Dichloroethane	2.972	63	226971	32.494 ug/L	98
24) Halothane	3.111	117	85052	32.433 ug/L	100

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N10.D
Acq On : 17 Mar 2022 3:30 am
Operator : ELAINE:PD
Sample : I8260STD30PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:24 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.041	53	38329	33.312	ug/L		96
26) Ethyl tert-butyl ether	3.297	59	358093	33.372	ug/L		90
27) Vinyl acetate	3.314	43	260053	27.793	ug/L		98
28) cis-1,2-Dichloroethene	3.623	96	118041	32.552	ug/L		83
29) 2,2-Dichloropropane	3.748	77	142902	35.044	ug/L	#	74
30) Bromochloromethane	3.884	128	53642	32.259	ug/L		90
31) Cyclohexane	3.840	56	252228	37.417	ug/L		94
32) Chloroform	4.048	83	194649	32.957	ug/L		99
33) Ethyl acetate	4.293	43	84050M4	30.824	ug/L		
34) Carbon tetrachloride	4.162	117	142932	33.708	ug/L		98
35) Tetrahydrofuran	4.238	42	24933M6	28.791	ug/L		
37) 1,1,1-Trichloroethane	4.265	97	161013	33.382	ug/L	#	96
39) 2-Butanone	4.494	43	35392	28.218	ug/L	#	91
40) 1,1-Dichloropropene	4.449	75	149392	34.655	ug/L		96
41) Benzene	4.772	78	473101	34.257	ug/L		97
42) tert-Amyl methyl ether	5.000	73	235758	30.880	ug/L	#	86
44) 1,2-Dichloroethane	5.044	62	153880	32.370	ug/L		98
47) Methyl cyclohexane	5.462	83	161952	39.722	ug/L		99
48) Trichloroethene	5.509	95	112205	33.366	ug/L		94
50) Dibromomethane	5.974	93	56880	31.621	ug/L		94
51) 1,2-Dichloropropane	6.085	63	131851	33.694	ug/L	#	93
53) 2-Chloroethyl vinyl ether	6.858	63	60774	27.586	ug/L		93
54) Bromodichloromethane	6.202	83	149623	33.989	ug/L		98
57) 1,4-Dioxane	6.430	88	11807	621.806	ug/L		91
58) cis-1,3-Dichloropropene	6.870	75	171254	34.022	ug/L		96
61) Toluene	7.092	92	285783	34.539	ug/L		94
62) 4-Methyl-2-pentanone	7.523	58	30836	30.716	ug/L	#	79
63) Tetrachloroethene	7.459	166	109905	35.403	ug/L		89
65) trans-1,3-Dichloropropene	7.543	75	133917	32.238	ug/L		91
67) Ethyl methacrylate	7.738	69	100201	32.063	ug/L		97
68) 1,1,2-Trichloroethane	7.676	83	69997	33.531	ug/L		93
69) Chlorodibromomethane	7.816	129	100002	34.615	ug/L		94
70) 1,3-Dichloropropane	7.896	76	154909	33.497	ug/L		99
71) 1,2-Dibromoethane	7.977	107	78554	30.048	ug/L		99
72) 2-Hexanone	8.230	43	53748	31.640	ug/L		97
73) Chlorobenzene	8.400	112	299852	34.083	ug/L		92
74) Ethylbenzene	8.439	91	531507	36.594	ug/L		99
75) 1,1,1,2-Tetrachloroethane	8.461	131	101346	35.047	ug/L		93
76) p/m Xylene	8.550	106	416131	74.709	ug/L		95
77) o Xylene	8.837	106	401642	73.062	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N10.D
Acq On : 17 Mar 2022 3:30 am
Operator : ELAINE:PD
Sample : I8260STD30PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:24 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	8.878	104	661191	74.969	ug/L		91
80)	Bromoform	8.884	173	53545	31.830	ug/L		94
82)	Isopropylbenzene	9.051	105	515165	37.027	ug/L		96
84)	Bromobenzene	9.273	156	119594	33.542	ug/L		98
85)	n-Propylbenzene	9.312	91	591014	37.325	ug/L		96
86)	1,4-Dichlorobutane	9.321	55	186672	32.721	ug/L	#	90
87)	1,1,2,2-Tetrachloroethane	9.374	83	90119	31.425	ug/L		93
88)	4-Ethyltoluene	9.382	105	490048	37.393	ug/L		97
89)	2-Chlorotoluene	9.396	91	415996	35.198	ug/L		95
90)	1,3,5-Trimethylbenzene	9.440	105	416377	37.380	ug/L		91
91)	1,2,3-Trichloropropane	9.440	75	75319	30.769	ug/L		99
92)	trans-1,4-Dichloro-2-b...	9.474	53	32887	32.345	ug/L	#	84
93)	4-Chlorotoluene	9.499	91	382608	35.347	ug/L		95
94)	tert-Butylbenzene	9.624	119	340371	38.153	ug/L		97
97)	1,2,4-Trimethylbenzene	9.669	105	416102	36.616	ug/L		93
98)	sec-Butylbenzene	9.730	105	470913	39.812	ug/L		100
99)	p-Isopropyltoluene	9.819	119	399804	36.473	ug/L		96
100)	1,3-Dichlorobenzene	9.849	146	223472	34.912	ug/L		99
101)	1,4-Dichlorobenzene	9.902	146	222483	34.276	ug/L		98
102)	p-Diethylbenzene	10.027	119	221101	37.131	ug/L		95
103)	n-Butylbenzene	10.061	91	311351	36.569	ug/L		99
104)	1,2-Dichlorobenzene	10.142	146	212129	34.137	ug/L		98
105)	1,2,4,5-Tetramethylben...	10.487	119	338006	35.631	ug/L		96
106)	1,2-Dibromo-3-chloropr...	10.601	155	12472	30.745	ug/L		87
107)	1,3,5-Trichlorobenzene	10.615	180	124331	36.474	ug/L		93
108)	Hexachlorobutadiene	10.960	225	36572	35.438	ug/L		96
109)	1,2,4-Trichlorobenzene	10.973	180	112681	32.474	ug/L		99
110)	Naphthalene	11.154	128	289909	30.905	ug/L		100
111)	1,2,3-Trichlorobenzene	11.257	180	104508	32.741	ug/L		99

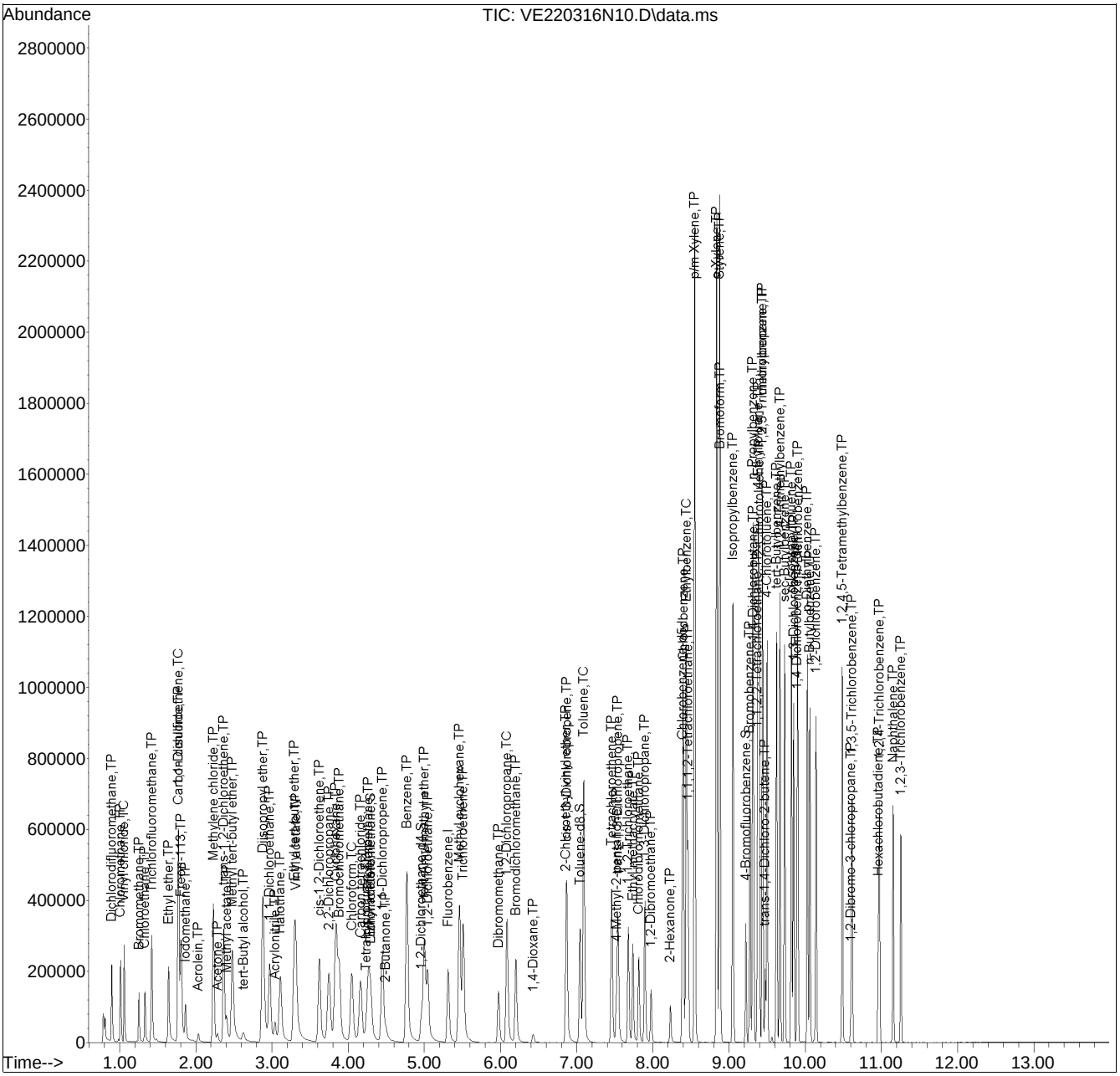
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N10.D
Acq On : 17 Mar 2022 3:30 am
Operator : ELAINE:PD
Sample : I8260STD30PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:24 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox20316NICAL\VE220316N09.D•

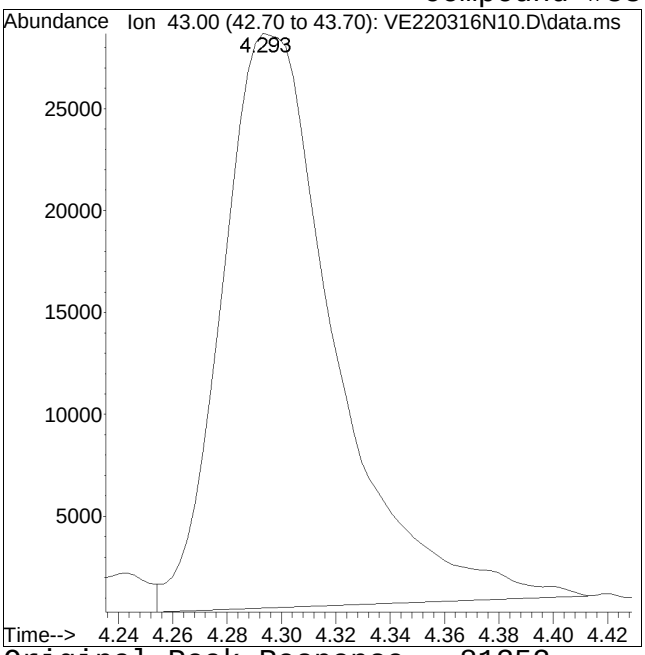


Manual Integration Report

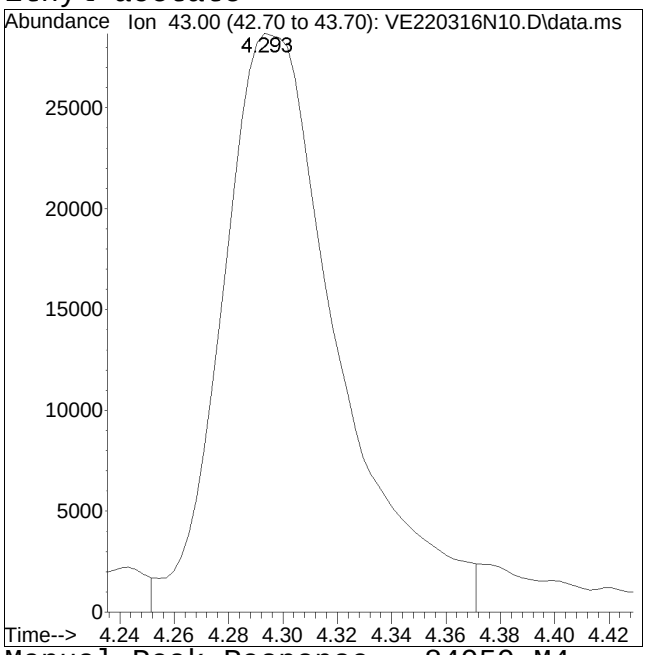
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220316N10.D
Date Inj'd : 3/17/2022 3:30 am
Sample : I8260STD30PPB

Method : Elaine_220316N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 3/17/2022 12:40 pm

Compound #33: Ethyl acetate



Original Peak Response = 81352



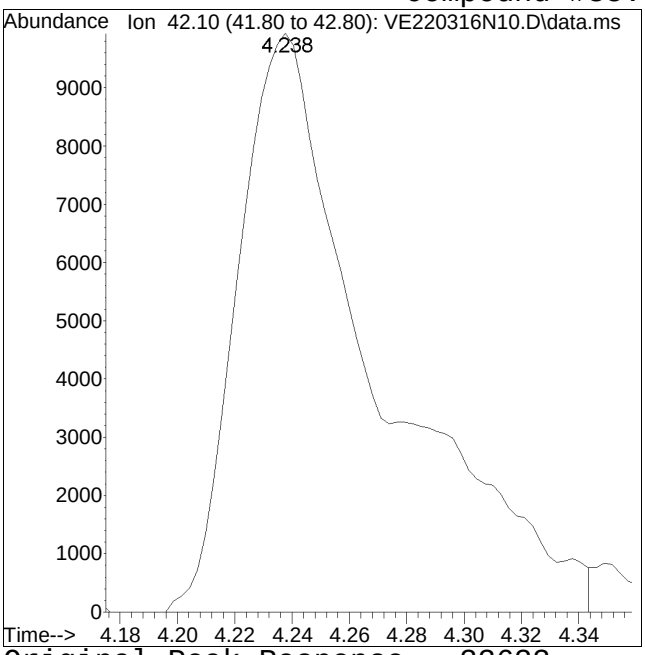
Manual Peak Response = 84050 M4

M4 = Poor automated baseline construction.

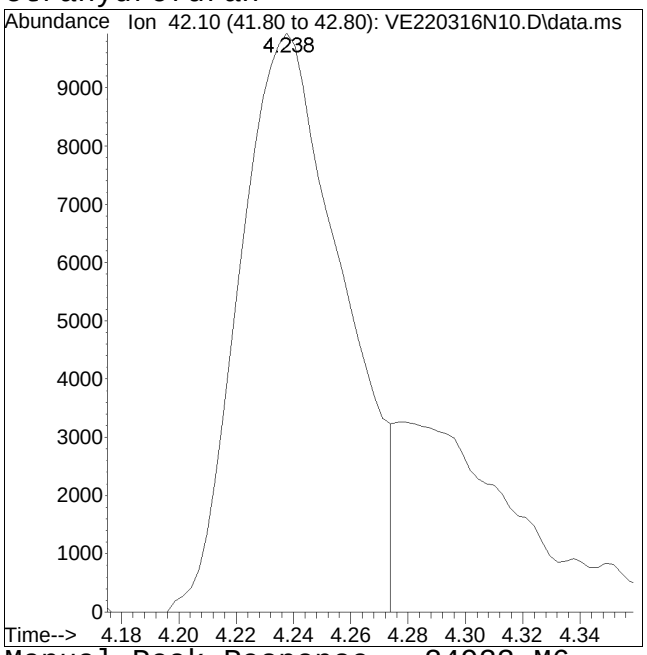
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N10.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 3:30 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 3/17/2022 12:40 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 33633



Manual Peak Response = 24933 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N11.D
Acq On : 17 Mar 2022 3:51 am
Operator : ELAINE:PD
Sample : I8260STD80PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:30 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.311	96	203929	10.000 ug/L	0.00
Standard Area 1 = 183905			Recovery = 110.89%		
59) Chlorobenzene-d5	8.386	117	143347	10.000 ug/L	0.00
Standard Area 1 = 135053			Recovery = 106.14%		
79) 1,4-Dichlorobenzene-d4	9.894	152	70993	10.000 ug/L	0.00
Standard Area 1 = 72095			Recovery = 98.47%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.299	113	48921	9.784 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.84%		
43) 1,2-Dichloroethane-d4	4.958	65	58673	9.887 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.87%		
60) Toluene-d8	7.045	98	191463	10.190 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.90%		
83) 4-Bromofluorobenzene	9.221	95	67910	10.047 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.47%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.899	85	249063	76.704 ug/L	98
3) Chloromethane	1.010	50	343340	74.329 ug/L	99
4) Vinyl chloride	1.060	62	324106	75.832 ug/L	98
5) Bromomethane	1.255	94	127550	85.120 ug/L	99
6) Chloroethane	1.330	64	140473	72.313 ug/L	99
7) Trichlorofluoromethane	1.419	101	363229	77.230 ug/L	98
8) Ethyl ether	1.642	74	145466	84.671 ug/L	92
10) 1,1-Dichloroethene	1.767	96	234170	78.391 ug/L	81
11) Carbon disulfide	1.775	76	534583	75.955 ug/L	95
12) Freon-113	1.806	101	239891	81.079 ug/L	97
13) Iodomethane	1.864	142	227944	78.558 ug/L	84
14) Acrolein	2.034	56	38492	73.917 ug/L	96
15) Methylene chloride	2.229	84	267847	71.782 ug/L	99
17) Acetone	2.282	43	70687	80.080 ug/L	99
18) trans-1,2-Dichloroethene	2.365	96	248421	77.968 ug/L	92
19) Methyl acetate	2.404	43	190072	81.429 ug/L	96
20) Methyl tert-butyl ether	2.479	73	648720	85.659 ug/L #	89
21) tert-Butyl alcohol	2.621	59	73645	421.063 ug/L #	26
22) Diisopropyl ether	2.877	45	1267351	82.444 ug/L	99
23) 1,1-Dichloroethane	2.969	63	547546	77.337 ug/L	99
24) Halothane	3.108	117	205512	77.315 ug/L	99

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N11.D
Acq On : 17 Mar 2022 3:51 am
Operator : ELAINE:PD
Sample : I8260STD80PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:30 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.038	53	103057	88.366	ug/L		97
26) Ethyl tert-butyl ether	3.294	59	937323	86.179	ug/L		86
27) Vinyl acetate	3.314	43	730770	74.531	ug/L		98
28) cis-1,2-Dichloroethene	3.620	96	285707	77.732	ug/L		84
29) 2,2-Dichloropropane	3.745	77	344824	83.427	ug/L	#	78
30) Bromochloromethane	3.884	128	131365	77.938	ug/L		90
31) Cyclohexane	3.840	56	554180	81.107	ug/L		94
32) Chloroform	4.046	83	468662	78.286	ug/L		99
33) Ethyl acetate	4.290	43	241375	87.333	ug/L	#	95
34) Carbon tetrachloride	4.162	117	346101	80.526	ug/L		99
35) Tetrahydrofuran	4.232	42	72371	82.449	ug/L	#	85
37) 1,1,1-Trichloroethane	4.265	97	392994	80.383	ug/L	#	95
39) 2-Butanone	4.491	43	111569	87.759	ug/L	#	89
40) 1,1-Dichloropropene	4.446	75	361753	82.789	ug/L		95
41) Benzene	4.769	78	1141215	81.526	ug/L		97
42) tert-Amyl methyl ether	4.997	73	648350	78.746	ug/L		90
44) 1,2-Dichloroethane	5.044	62	384173	79.728	ug/L		98
47) Methyl cyclohexane	5.462	83	321644	77.831	ug/L		96
48) Trichloroethene	5.509	95	266810	78.276	ug/L		98
50) Dibromomethane	5.974	93	147021	80.634	ug/L		93
51) 1,2-Dichloropropane	6.085	63	333139	83.991	ug/L	#	93
53) 2-Chloroethyl vinyl ether	6.858	63	177066	76.724	ug/L		93
54) Bromodichloromethane	6.199	83	364154	81.612	ug/L		98
57) 1,4-Dioxane	6.427	88	14629	760.081	ug/L		97
58) cis-1,3-Dichloropropene	6.867	75	438901	86.023	ug/L		96
61) Toluene	7.092	92	676137	79.955	ug/L		95
62) 4-Methyl-2-pentanone	7.521	58	90777	88.475	ug/L	#	82
63) Tetrachloroethene	7.459	166	258978	81.625	ug/L		88
65) trans-1,3-Dichloropropene	7.543	75	368143	79.451	ug/L		94
67) Ethyl methacrylate	7.738	69	272707	85.381	ug/L		98
68) 1,1,2-Trichloroethane	7.676	83	183092	85.817	ug/L		95
69) Chlorodibromomethane	7.816	129	258380	87.510	ug/L		96
70) 1,3-Dichloropropane	7.893	76	397170	84.032	ug/L		100
71) 1,2-Dibromoethane	7.977	107	210007	78.043	ug/L		99
72) 2-Hexanone	8.230	43	160919	92.687	ug/L	#	95
73) Chlorobenzene	8.400	112	705783	78.496	ug/L		91
74) Ethylbenzene	8.439	91	1205564	81.214	ug/L		98
75) 1,1,1,2-Tetrachloroethane	8.461	131	252349	85.385	ug/L		94
76) p/m Xylene	8.550	106	931706	163.668	ug/L		96
77) o Xylene	8.839	106	910649	162.085	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N11.D
Acq On : 17 Mar 2022 3:51 am
Operator : ELAINE:PD
Sample : I8260STD80PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:30 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	8.878	104	1526572	169.359	ug/L		91
80)	Bromoform	8.884	173	144925	87.407	ug/L		96
82)	Isopropylbenzene	9.051	105	1117298	81.476	ug/L		96
84)	Bromobenzene	9.276	156	282627	80.423	ug/L		98
85)	n-Propylbenzene	9.312	91	1275775	81.744	ug/L		96
86)	1,4-Dichlorobutane	9.321	55	473282	84.170	ug/L		90
87)	1,1,2,2-Tetrachloroethane	9.374	83	240029	84.920	ug/L		96
88)	4-Ethyltoluene	9.385	105	1066486	82.564	ug/L		97
89)	2-Chlorotoluene	9.396	91	932798	80.076	ug/L		95
90)	1,3,5-Trimethylbenzene	9.440	105	910066	82.892	ug/L		91
91)	1,2,3-Trichloropropane	9.440	75	195657	81.095	ug/L		98
92)	trans-1,4-Dichloro-2-b...	9.474	53	88814	88.625	ug/L	#	92
93)	4-Chlorotoluene	9.499	91	871312	81.668	ug/L		96
94)	tert-Butylbenzene	9.624	119	712852	81.069	ug/L		97
97)	1,2,4-Trimethylbenzene	9.668	105	932567	83.260	ug/L		93
98)	sec-Butylbenzene	9.730	105	945718	81.119	ug/L		99
99)	p-Isopropyltoluene	9.819	119	832628	76.785	ug/L		96
100)	1,3-Dichlorobenzene	9.849	146	516319	81.837	ug/L		99
101)	1,4-Dichlorobenzene	9.902	146	521800	81.560	ug/L		98
102)	p-Diethylbenzene	10.030	119	467899	79.723	ug/L		94
103)	n-Butylbenzene	10.061	91	627731	74.548	ug/L		97
104)	1,2-Dichlorobenzene	10.144	146	502262	82.006	ug/L		98
105)	1,2,4,5-Tetramethylben...	10.486	119	770991	82.459	ug/L		97
106)	1,2-Dibromo-3-chloropr...	10.601	155	35312	81.595	ug/L		93
107)	1,3,5-Trichlorobenzene	10.614	180	277286	82.530	ug/L		95
108)	Hexachlorobutadiene	10.959	225	75054	73.484	ug/L		97
109)	1,2,4-Trichlorobenzene	10.976	180	282188	82.510	ug/L		98
110)	Naphthalene	11.154	128	780631	80.222	ug/L		100
111)	1,2,3-Trichlorobenzene	11.257	180	267050	84.884	ug/L		99

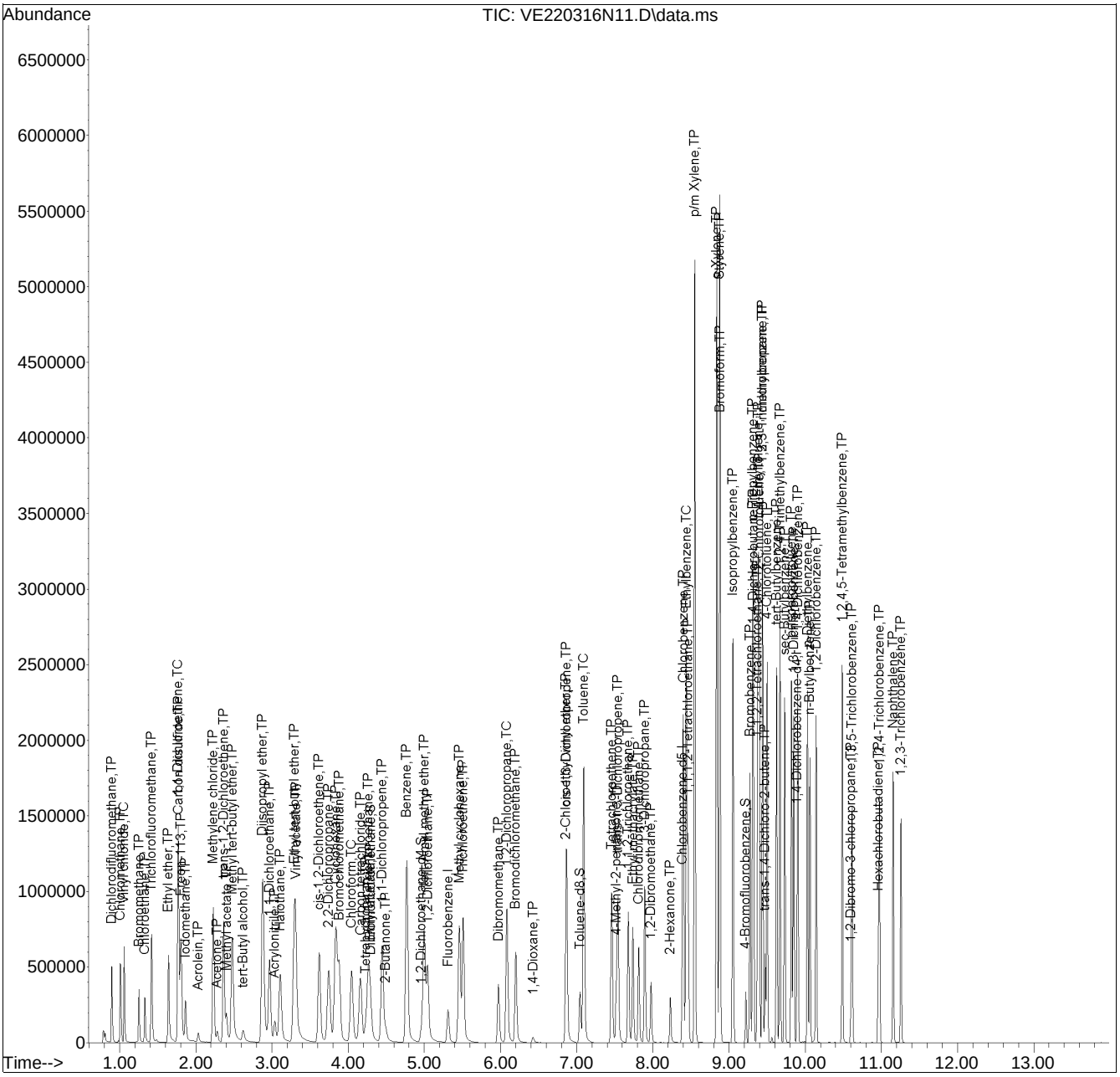
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N11.D
Acq On : 17 Mar 2022 3:51 am
Operator : ELAINE:PD
Sample : I8260STD80PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:30 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox20316NICAL\VE220316N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\Elaine\2022\2Q	Method	: Elaine_220316N_8260.m
Data File	: VE220316N11.D	Operator	: ELAINE:PD
Date Inj'd	: 3/17/2022 3:51 am	Instrument	: Elaine
Sample	: I8260STD80PPB	Quant Date	: 3/17/2022 12:40 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N12.D
Acq On : 17 Mar 2022 4:11 am
Operator : ELAINE:PD
Sample : I8260STD120PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:36 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.311	96	209850	10.000	ug/L	0.00
Standard Area 1 = 183905			Recovery = 114.11%			
59) Chlorobenzene-d5	8.389	117	148256	10.000	ug/L	0.00
Standard Area 1 = 135053			Recovery = 109.78%			
79) 1,4-Dichlorobenzene-d4	9.894	152	73431	10.000	ug/L	0.00
Standard Area 1 = 72095			Recovery = 101.85%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.296	113	49734	9.666	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.66%			
43) 1,2-Dichloroethane-d4	4.961	65	59400	9.727	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.27%			
60) Toluene-d8	7.045	98	198565	10.218	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.18%			
83) 4-Bromofluorobenzene	9.220	95	68332	9.774	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.896	85	410800	122.944	ug/L	98
3) Chloromethane	1.010	50	573219	120.594	ug/L	99
4) Vinyl chloride	1.060	62	533638	121.334	ug/L	96
5) Bromomethane	1.255	94	234878	152.322	ug/L	98
6) Chloroethane	1.330	64	234104	117.112	ug/L	100
7) Trichlorofluoromethane	1.419	101	603906	124.780	ug/L	96
8) Ethyl ether	1.642	74	231225	130.792	ug/L	92
10) 1,1-Dichloroethene	1.767	96	390219	126.944	ug/L	80
11) Carbon disulfide	1.775	76	877793	121.200	ug/L	96
12) Freon-113	1.803	101	393035	129.092	ug/L	95
13) Iodomethane	1.864	142	395059	123.880	ug/L	84
14) Acrolein	2.034	56	63161	117.079	ug/L	95
15) Methylene chloride	2.232	84	439329	114.417	ug/L	99
17) Acetone	2.282	43	104476	115.020	ug/L	99
18) trans-1,2-Dichloroethene	2.365	96	420744	128.326	ug/L	90
19) Methyl acetate	2.401	43	305980	127.387	ug/L	97
20) Methyl tert-butyl ether	2.479	73	1083405	139.019	ug/L	92
21) tert-Butyl alcohol	2.624	59	121307	673.999	ug/L #	38
22) Diisopropyl ether	2.877	45	2118183	133.905	ug/L	99
23) 1,1-Dichloroethane	2.969	63	907486	124.560	ug/L	99
24) Halothane	3.108	117	347861	127.175	ug/L	99

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N12.D
Acq On : 17 Mar 2022 4:11 am
Operator : ELAINE:PD
Sample : I8260STD120PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:36 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.038	53	163088	135.893	ug/L		98
26) Ethyl tert-butyl ether	3.294	59	1564086	139.748	ug/L		86
27) Vinyl acetate	3.314	43	1217439	119.783	ug/L		99
28) cis-1,2-Dichloroethene	3.620	96	478533	126.520	ug/L		84
29) 2,2-Dichloropropane	3.748	77	580578	136.502	ug/L	#	79
30) Bromochloromethane	3.887	128	212709	122.639	ug/L		88
31) Cyclohexane	3.840	56	935013	132.982	ug/L		94
32) Chloroform	4.046	83	777636	126.232	ug/L		98
33) Ethyl acetate	4.290	43	393355	138.306	ug/L	#	96
34) Carbon tetrachloride	4.162	117	585054	132.282	ug/L		98
35) Tetrahydrofuran	4.229	42	114570	126.841	ug/L	#	88
37) 1,1,1-Trichloroethane	4.268	97	657057	130.603	ug/L	#	95
39) 2-Butanone	4.491	43	177786	135.899	ug/L	#	92
40) 1,1-Dichloropropene	4.446	75	601354	133.741	ug/L		96
41) Benzene	4.769	78	1883659	130.768	ug/L		98
42) tert-Amyl methyl ether	4.997	73	1092755	122.614	ug/L		93
44) 1,2-Dichloroethane	5.044	62	622393	125.522	ug/L		98
47) Methyl cyclohexane	5.462	83	547775	128.810	ug/L		95
48) Trichloroethene	5.509	95	446380	127.262	ug/L		97
50) Dibromomethane	5.974	93	237746	126.714	ug/L		93
51) 1,2-Dichloropropane	6.085	63	555994	136.221	ug/L	#	93
53) 2-Chloroethyl vinyl ether	6.858	63	285969	119.635	ug/L		92
54) Bromodichloromethane	6.202	83	607158	132.233	ug/L		99
57) 1,4-Dioxane	6.427	88	23404	1181.694	ug/L		93
58) cis-1,3-Dichloropropene	6.870	75	742538	141.428	ug/L		98
61) Toluene	7.092	92	1133873	129.644	ug/L		94
62) 4-Methyl-2-pentanone	7.523	58	147121	138.642	ug/L		84
63) Tetrachloroethene	7.459	166	432645	131.846	ug/L		89
65) trans-1,3-Dichloropropene	7.543	75	614607	119.993	ug/L		94
67) Ethyl methacrylate	7.738	69	443568	134.278	ug/L		99
68) 1,1,2-Trichloroethane	7.676	83	291589	132.145	ug/L		94
69) Chlorodibromomethane	7.815	129	424337	138.959	ug/L		95
70) 1,3-Dichloropropane	7.893	76	638546	130.629	ug/L		99
71) 1,2-Dibromoethane	7.977	107	338229	121.339	ug/L		99
72) 2-Hexanone	8.227	43	252574	140.662	ug/L		96
73) Chlorobenzene	8.400	112	1167734	125.573	ug/L		92
74) Ethylbenzene	8.439	91	1972017	128.447	ug/L		98
75) 1,1,1,2-Tetrachloroethane	8.461	131	420270	137.494	ug/L		94
76) p/m Xylene	8.550	106	1495269	253.968	ug/L		95
77) o Xylene	8.839	106	1455332	250.456	ug/L		90

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N12.D
Acq On : 17 Mar 2022 4:11 am
Operator : ELAINE:PD
Sample : I8260STD120PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:36 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	8.878	104	2439605	261.690	ug/L		92
80)	Bromoform	8.884	173	234174	136.546	ug/L		96
82)	Isopropylbenzene	9.051	105	1799755	126.884	ug/L		96
84)	Bromobenzene	9.276	156	461185	126.875	ug/L		98
85)	n-Propylbenzene	9.312	91	2033891	125.993	ug/L		95
86)	1,4-Dichlorobutane	9.321	55	744913	128.079	ug/L	#	90
87)	1,1,2,2-Tetrachloroethane	9.374	83	372912	127.553	ug/L		96
88)	4-Ethyltoluene	9.385	105	1723897	129.027	ug/L		96
89)	2-Chlorotoluene	9.396	91	1506740	125.051	ug/L		95
90)	1,3,5-Trimethylbenzene	9.440	105	1474650	129.857	ug/L		91
91)	1,2,3-Trichloropropane	9.440	75	307573	123.249	ug/L		97
92)	trans-1,4-Dichloro-2-b...	9.474	53	140487	135.533	ug/L	#	90
93)	4-Chlorotoluene	9.502	91	1409009	127.682	ug/L		96
94)	tert-Butylbenzene	9.624	119	1149357	126.371	ug/L		97
97)	1,2,4-Trimethylbenzene	9.668	105	1500740	129.539	ug/L		94
98)	sec-Butylbenzene	9.730	105	1522728	126.275	ug/L		99
99)	p-Isopropyltoluene	9.819	119	1337815	119.137	ug/L		96
100)	1,3-Dichlorobenzene	9.849	146	827234	126.765	ug/L		99
101)	1,4-Dichlorobenzene	9.902	146	836471	126.404	ug/L		98
102)	p-Diethylbenzene	10.030	119	761202	125.391	ug/L		94
103)	n-Butylbenzene	10.061	91	1028304	117.922	ug/L		98
104)	1,2-Dichlorobenzene	10.144	146	793505	125.257	ug/L		99
105)	1,2,4,5-Tetramethylben...	10.486	119	1253221	129.584	ug/L		97
106)	1,2-Dibromo-3-chloropr...	10.600	155	55926	118.804	ug/L		93
107)	1,3,5-Trichlorobenzene	10.614	180	456905	131.476	ug/L		94
108)	Hexachlorobutadiene	10.959	225	119804	113.251	ug/L		96
109)	1,2,4-Trichlorobenzene	10.973	180	473089	133.735	ug/L		98
110)	Naphthalene	11.154	128	1266112	121.179	ug/L		100
111)	1,2,3-Trichlorobenzene	11.257	180	448674	137.879	ug/L		99

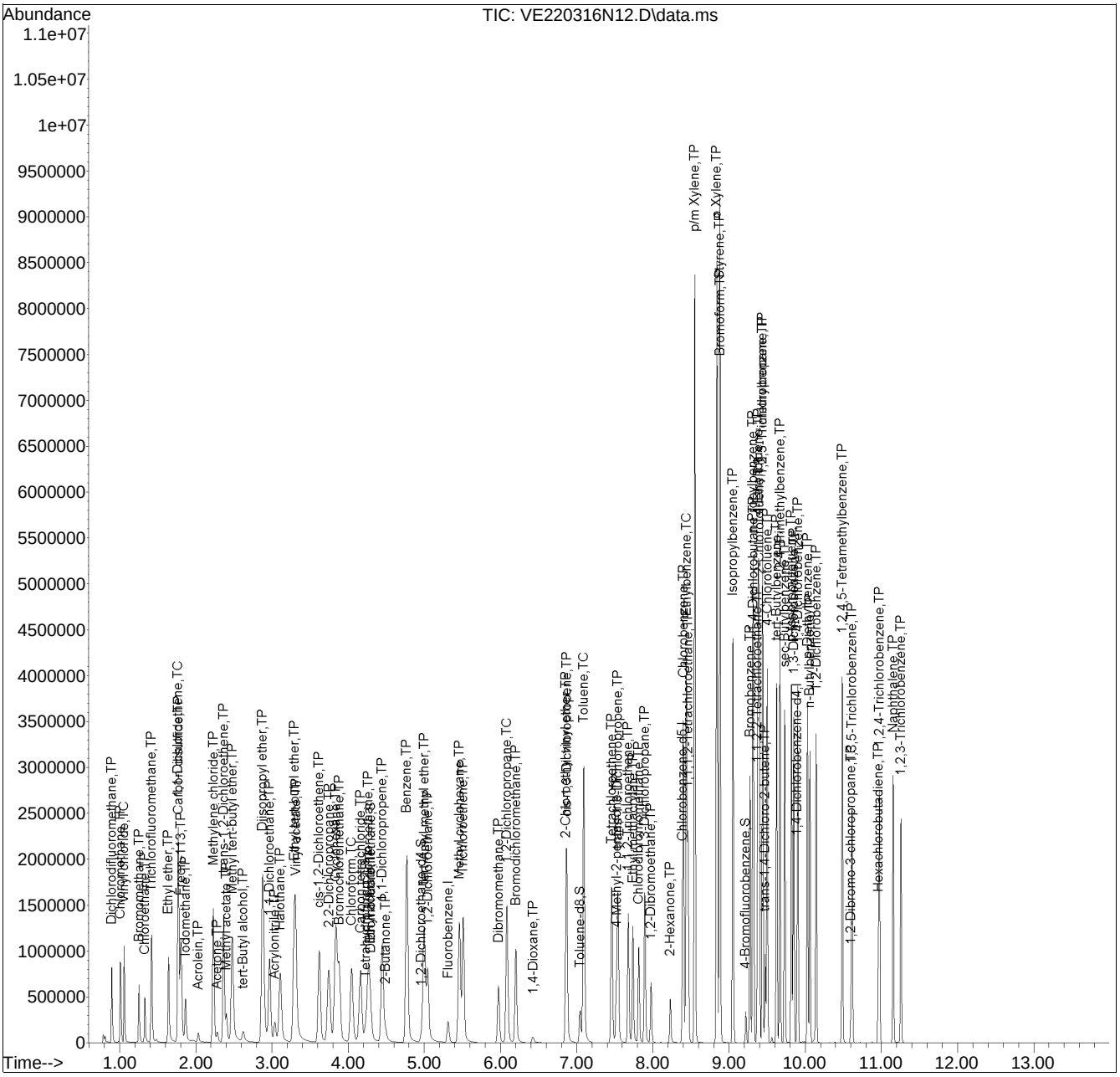
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N12.D
Acq On : 17 Mar 2022 4:11 am
Operator : ELAINE:PD
Sample : I8260STD120PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:36 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox20316NICAL\VE220316N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\Elaine\2022\2Q	Method	: Elaine_220316N_8260.m
Data File	: VE220316N12.D	Operator	: ELAINE:PD
Date Inj'd	: 3/17/2022 4:11 am	Instrument	: Elaine
Sample	: I8260STD120PPB	Quant Date	: 3/17/2022 12:40 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N13.D
Acq On : 17 Mar 2022 4:31 am
Operator : ELAINE:PD
Sample : I8260STD200PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:43 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.311	96	211226	10.000	ug/L	0.00
Standard Area 1 = 183905			Recovery = 114.86%			
59) Chlorobenzene-d5	8.389	117	151388	10.000	ug/L	0.00
Standard Area 1 = 135053			Recovery = 112.10%			
79) 1,4-Dichlorobenzene-d4	9.894	152	71253	10.000	ug/L	0.00
Standard Area 1 = 72095			Recovery = 98.83%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.301	113	50731	9.795	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.95%			
43) 1,2-Dichloroethane-d4	4.961	65	62829	10.221	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.21%			
60) Toluene-d8	7.045	98	200621	10.110	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.10%			
83) 4-Bromofluorobenzene	9.220	95	68342	10.074	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.896	85	715023	212.598	ug/L	98
3) Chloromethane	1.010	50	988845	206.678	ug/L	99
4) Vinyl chloride	1.060	62	915433	206.787	ug/L	96
5) Bromomethane	1.255	94	428952	276.371	ug/L	100
6) Chloroethane	1.330	64	377690	187.711	ug/L	99
7) Trichlorofluoromethane	1.419	101	1038583	213.196	ug/L	98
8) Ethyl ether	1.644	74	404235	227.165	ug/L	92
10) 1,1-Dichloroethene	1.767	96	676229	218.555	ug/L	80
11) Carbon disulfide	1.775	76	1514341	207.729	ug/L	95
12) Freon-113	1.806	101	699645	228.300	ug/L	95
13) Iodomethane	1.864	142	698995	198.395	ug/L	81
14) Acrolein	2.034	56	115581	211.768	ug/L	95
15) Methylene chloride	2.231	84	744033	192.510	ug/L	99
17) Acetone	2.282	43	182886	200.031	ug/L	99
18) trans-1,2-Dichloroethene	2.368	96	733311	222.201	ug/L	90
19) Methyl acetate	2.404	43	546546	226.057	ug/L	97
20) Methyl tert-butyl ether	2.479	73	1883932	240.166	ug/L	91
21) tert-Butyl alcohol	2.624	59	229234	1265.360	ug/L #	44
22) Diisopropyl ether	2.880	45	3632843	228.161	ug/L	99
23) 1,1-Dichloroethane	2.969	63	1562436	213.060	ug/L	99
24) Halothane	3.108	117	605132	219.790	ug/L	99

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N13.D
Acq On : 17 Mar 2022 4:31 am
Operator : ELAINE:PD
Sample : I8260STD200PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:43 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.041	53	281498	233.030	ug/L		98
26) Ethyl tert-butyl ether	3.297	59	2743586	243.536	ug/L		86
27) Vinyl acetate	3.314	43	2148523	208.944	ug/L		99
28) cis-1,2-Dichloroethene	3.623	96	828437	217.605	ug/L		84
29) 2,2-Dichloropropane	3.745	77	1033439	241.394	ug/L	#	81
30) Bromochloromethane	3.887	128	354063	202.807	ug/L		88
31) Cyclohexane	3.842	56	1644393	232.350	ug/L		94
32) Chloroform	4.045	83	1342319	216.477	ug/L		98
33) Ethyl acetate	4.290	43	678820	237.123	ug/L	#	96
34) Carbon tetrachloride	4.162	117	1037589	233.073	ug/L		99
35) Tetrahydrofuran	4.226	42	209105	229.993	ug/L	#	89
37) 1,1,1-Trichloroethane	4.268	97	1143686	225.849	ug/L	#	96
39) 2-Butanone	4.491	43	317121	240.827	ug/L	#	91
40) 1,1-Dichloropropene	4.449	75	1057262	233.602	ug/L		96
41) Benzene	4.772	78	3211134	221.472	ug/L		98
42) tert-Amyl methyl ether	5.000	73	1936400	198.986	ug/L		95
44) 1,2-Dichloroethane	5.044	62	1055607	211.505	ug/L		99
47) Methyl cyclohexane	5.462	83	982614	229.557	ug/L		94
48) Trichloroethene	5.512	95	761833	215.783	ug/L		97
50) Dibromomethane	5.974	93	414386	219.421	ug/L		94
51) 1,2-Dichloropropane	6.085	63	950739	231.418	ug/L	#	93
53) 2-Chloroethyl vinyl ether	6.858	63	500801	207.132	ug/L		93
54) Bromodichloromethane	6.202	83	1041412	225.331	ug/L		99
57) 1,4-Dioxane	6.427	88	46007	2307.813	ug/L		94
58) cis-1,3-Dichloropropene	6.869	75	1284291	243.020	ug/L		97
61) Toluene	7.095	92	1938840	217.095	ug/L		94
62) 4-Methyl-2-pentanone	7.523	58	255381	235.684	ug/L		85
63) Tetrachloroethene	7.459	166	748202	223.292	ug/L		88
65) trans-1,3-Dichloropropene	7.543	75	1069102	185.351	ug/L		94
67) Ethyl methacrylate	7.738	69	768642	227.871	ug/L		98
68) 1,1,2-Trichloroethane	7.679	83	499179	221.542	ug/L		95
69) Chlorodibromomethane	7.815	129	726063	232.848	ug/L		95
70) 1,3-Dichloropropane	7.896	76	1083969	217.162	ug/L		99
71) 1,2-Dibromoethane	7.977	107	576048	202.151	ug/L		98
72) 2-Hexanone	8.227	43	433959	236.678	ug/L		97
73) Chlorobenzene	8.400	112	1970453	207.510	ug/L		92
74) Ethylbenzene	8.441	91	3282838	209.404	ug/L		97
75) 1,1,1,2-Tetrachloroethane	8.461	131	719200	230.423	ug/L		94
76) p/m Xylene	8.553	106	2435967	405.184	ug/L		92
77) o Xylene	8.842	106	2364254	398.459	ug/L		86

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N13.D
Acq On : 17 Mar 2022 4:31 am
Operator : ELAINE:PD
Sample : I8260STD200PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:43 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	8.881	104	3844326	403.840	ug/L		95
80) Bromoform	8.884	173	396510	238.271	ug/L		96
82) Isopropylbenzene	9.051	105	2950760	214.390	ug/L		95
84) Bromobenzene	9.276	156	758746	215.117	ug/L		98
85) n-Propylbenzene	9.315	91	3268224	208.645	ug/L		95
86) 1,4-Dichlorobutane	9.321	55	1250115	221.513	ug/L	#	90
87) 1,1,2,2-Tetrachloroethane	9.373	83	633017	223.139	ug/L		96
88) 4-Ethyltoluene	9.385	105	2765661	213.327	ug/L		95
89) 2-Chlorotoluene	9.399	91	2440083	208.704	ug/L		94
90) 1,3,5-Trimethylbenzene	9.440	105	2378024	215.809	ug/L		91
91) 1,2,3-Trichloropropane	9.440	75	514040	212.280	ug/L		97
92) trans-1,4-Dichloro-2-b...	9.474	53	236253M1	234.889	ug/L		
93) 4-Chlorotoluene	9.501	91	2241856	209.363	ug/L		94
94) tert-Butylbenzene	9.627	119	1862715	211.065	ug/L		96
97) 1,2,4-Trimethylbenzene	9.668	105	2425456	215.757	ug/L		92
98) sec-Butylbenzene	9.732	105	2466130	210.759	ug/L		98
99) p-Isopropyltoluene	9.821	119	2175280	199.466	ug/L		96
100) 1,3-Dichlorobenzene	9.849	146	1346431	212.633	ug/L		100
101) 1,4-Dichlorobenzene	9.905	146	1368718	213.158	ug/L		98
102) p-Diethylbenzene	10.030	119	1279873	217.275	ug/L		95
103) n-Butylbenzene	10.061	91	1717762	202.831	ug/L		97
104) 1,2-Dichlorobenzene	10.144	146	1304549	212.221	ug/L		99
105) 1,2,4,5-Tetramethylben...	10.486	119	2164718	230.676	ug/L		98
106) 1,2-Dibromo-3-chloropr...	10.603	155	101029	200.074	ug/L		89
107) 1,3,5-Trichlorobenzene	10.617	180	799599	237.120	ug/L		95
108) Hexachlorobutadiene	10.959	225	215402	209.605	ug/L		95
109) 1,2,4-Trichlorobenzene	10.976	180	824546	240.212	ug/L		98
110) Naphthalene	11.154	128	2158791	199.249	ug/L		100
111) 1,2,3-Trichlorobenzene	11.257	180	759479	240.525	ug/L		100

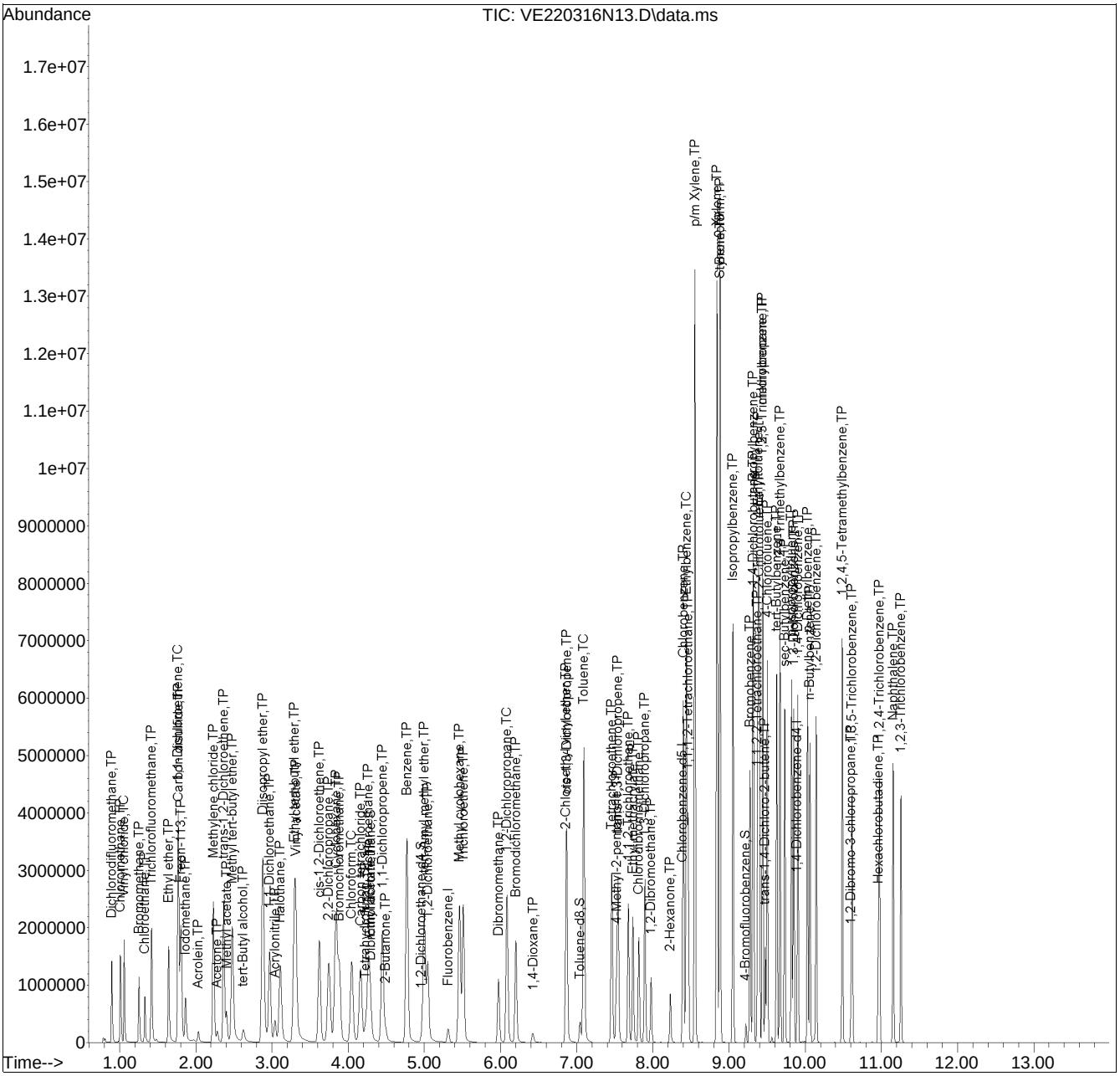
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N13.D
Acq On : 17 Mar 2022 4:31 am
Operator : ELAINE:PD
Sample : I8260STD200PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:40:43 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

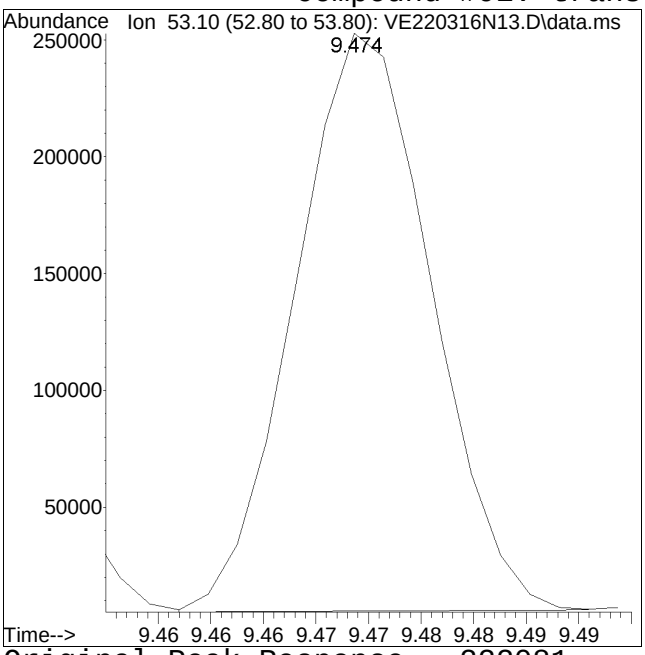
Sub List : 8260-Curve - Megamix plus Diox20316NICAL\VE220316N09.D•



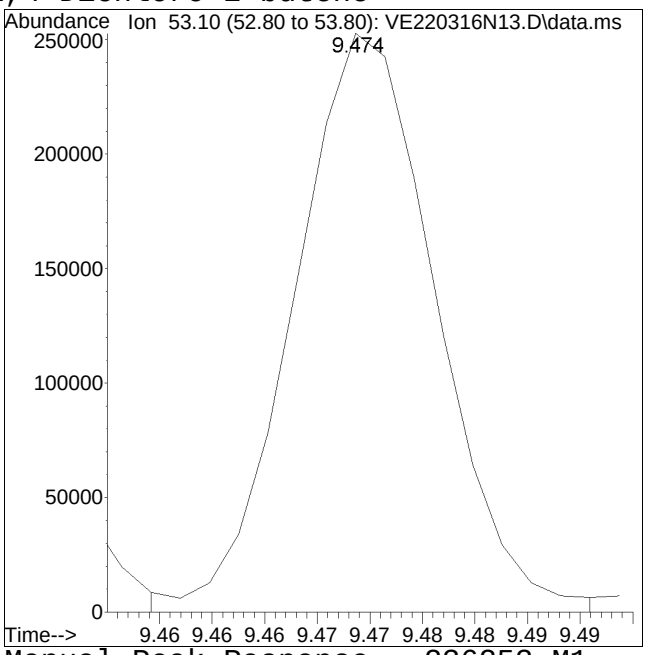
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N13.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 4:31 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 3/17/2022 12:40 pm

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 222081



Manual Peak Response = 236253 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N19.D
Acq On : 17 Mar 2022 6:34 am
Operator : ELAINE:PD
Sample : C8260STD10PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:42:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	102	0.00
2	TP	Dichlorodifluoromethane	0.159	0.250	-57.2#	163	0.00
3	TP	Chloromethane	0.227	0.364	-60.4#	170	0.00
4	TC	Vinyl chloride	0.210	0.299	-42.4#	156	0.00
5	TP	Bromomethane	0.073	0.101	-38.4#	160	0.00
6	TP	Chloroethane	0.095	0.136	-43.2#	144	0.00
7	TP	Trichlorofluoromethane	0.231	0.274	-18.6	128	0.00
8	TP	Ethyl ether	0.084	0.091	-8.3	126	0.00
10	TC	1,1-Dichloroethene	0.146	0.168	-15.1	123	0.00
11	TP	Carbon disulfide	0.345	0.458	-32.8#	144	0.00
12	TP	Freon-113	0.145	0.165	-13.8	125	0.00
13	TP	Iodomethane	* 10.000	7.312	26.9#	106	0.00
14	TP	Acrolein	* 10.000	10.947	-9.5	118	0.00
15	TP	Methylene chloride	0.183	0.194	-6.0	117	0.00
17	TP	Acetone	0.043	0.046	-7.0	106	0.00
18	TP	trans-1,2-Dichloroethene	0.156	0.176	-12.8	125	0.00
19	TP	Methyl acetate	0.114	0.100	12.3	95	0.00
20	TP	Methyl tert-butyl ether	0.371	0.381	-2.7	109	0.00
21	TP	tert-Butyl alcohol	0.00858	0.00762#	11.2	110	0.00
22	TP	Diisopropyl ether	0.754	0.795	-5.4	121	0.00
23	TP	1,1-Dichloroethane	0.347	0.398	-14.7	123	0.00
24	TP	Halothane	0.130	0.146	-12.3	126	0.00
25	TP	Acrylonitrile	0.057	0.065	-14.0	113	0.00
26	TP	Ethyl tert-butyl ether	0.533	0.523	1.9	115	0.00
27	TP	Vinyl acetate	* 10.000	9.040	9.6	110	0.00
28	TP	cis-1,2-Dichloroethene	0.180	0.194#	-7.8	118	0.00
29	TP	2,2-Dichloropropane	0.203	0.210	-3.4	118	0.00
30	TP	Bromochloromethane	0.083	0.086#	-3.6	114	0.00
31	TP	Cyclohexane	0.335	0.349	-4.2	112	0.00
32	TC	Chloroform	0.294	0.336	-14.3	124	0.00
33	TP	Ethyl acetate	0.136	0.134	1.5	117	0.00
34	TP	Carbon tetrachloride	0.211	0.228	-8.1	118	0.00
35	TP	Tetrahydrofuran	0.043	0.046	-7.0	119	0.00
36	S	Dibromofluoromethane	0.245	0.250	-2.0	103	0.00
37	TP	1,1,1-Trichloroethane	0.240	0.282	-17.5	132	0.00
39	TP	2-Butanone	0.062	0.048	22.6#	92	0.00
40	TP	1,1-Dichloropropene	0.214	0.229	-7.0	116	0.00
41	TP	Benzene	0.686	0.780	-13.7	121	0.00
42	TP	tert-Amyl methyl ether	* 10.000	9.436	5.6	109	0.00

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N19.D
Acq On : 17 Mar 2022 6:34 am
Operator : ELAINE:PD
Sample : C8260STD10PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:42:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.291	0.289	0.7	100	0.00
44	TP	1,2-Dichloroethane	0.236	0.234	0.8	103	0.00
47	TP	Methyl cyclohexane	0.203	0.190	6.4	109	0.00
48	TP	Trichloroethene	0.167	0.180#	-7.8	121	0.00
50	TP	Dibromomethane	0.089	0.088	1.1	105	0.00
51	TC	1,2-Dichloropropane	0.194	0.212	-9.3	120	0.00
53	TP	2-Chloroethyl vinyl ether	* 10.000	8.776	12.2	107	0.00
54	TP	Bromodichloromethane	0.219	0.218#	0.5	110	0.00
57	TP	1,4-Dioxane	0.00094	0.00107#	-13.8	118	0.00
58	TP	cis-1,3-Dichloropropene	0.250	0.237#	5.2	111	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
60	S	Toluene-d8	1.311	1.325	-1.1	101	0.00
61	TC	Toluene	0.590	0.649	-10.0	117	0.00
62	TP	4-Methyl-2-pentanone	0.072	0.060	16.7	99	0.00
63	TP	Tetrachloroethene	0.221	0.243	-10.0	122	0.00
65	TP	trans-1,3-Dichloropropene	* 10.000	9.198	8.0	110	0.00
67	TP	Ethyl methacrylate	0.223	0.204	8.5	104	0.00
68	TP	1,1,2-Trichloroethane	0.149	0.153#	-2.7	109	0.00
69	TP	Chlorodibromomethane	0.206	0.194#	5.8	103	0.00
70	TP	1,3-Dichloropropane	0.330	0.325	1.5	106	0.00
71	TP	1,2-Dibromoethane	* 10.000	8.777	12.2	104	0.00
72	TP	2-Hexanone	0.121	0.115	5.0	102	0.00
73	TP	Chlorobenzene	0.627	0.676	-7.8	116	0.00
74	TC	Ethylbenzene	1.036	1.204	-16.2	120	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.206	0.200	2.9	112	0.00
76	TP	p/m Xylene	0.397	0.474	-19.4	118	0.00
77	TP	o Xylene	0.392	0.464	-18.4	120	0.00
78	TP	Styrene	0.629	0.757	-20.3#	119	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
80	TP	Bromoform	0.234	0.210	10.3	105	0.00
82	TP	Isopropylbenzene	1.932	2.140	-10.8	121	0.00
83	S	4-Bromofluorobenzene	0.952	0.958	-0.6	102	0.00
84	TP	Bromobenzene	0.495	0.505	-2.0	115	0.00
85	TP	n-Propylbenzene	2.198	2.396	-9.0	119	0.00
86	TP	1,4-Dichlorobutane	0.792	0.807	-1.9	109	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.398	0.371	6.8	101	0.00
88	TP	4-Ethyltoluene	1.819	2.091	-15.0	126	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N19.D
Acq On : 17 Mar 2022 6:34 am
Operator : ELAINE:PD
Sample : C8260STD10PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:42:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene		1.641	1.789	-9.0	120	0.00
90 TP	1,3,5-Trimethylbenzene		1.546	1.674	-8.3	116	0.00
91 TP	1,2,3-Trichloropropane		0.340	0.315	7.4	101	0.00
92 TP	trans-1,4-Dichloro-2-butene		0.141	0.130	7.8	96	0.00
93 TP	4-Chlorotoluene		1.503	1.617	-7.6	116	0.00
94 TP	tert-Butylbenzene		1.239	1.336	-7.8	118	0.00
97 TP	1,2,4-Trimethylbenzene		1.578	1.725	-9.3	121	0.00
98 TP	sec-Butylbenzene		1.642	1.771	-7.9	119	0.00
99 TP	p-Isopropyltoluene	*	10.000	9.941	0.6	120	0.00
100 TP	1,3-Dichlorobenzene		0.889	0.925	-4.0	112	0.00
101 TP	1,4-Dichlorobenzene		0.901	0.948	-5.2	116	0.00
102 TP	p-Diethylbenzene		0.827	0.831	-0.5	122	0.00
103 TP	n-Butylbenzene	*	10.000	9.941	0.6	120	0.00
104 TP	1,2-Dichlorobenzene		0.863	0.869	-0.7	110	0.00
105 TP	1,2,4,5-Tetramethylbenzene		1.317	1.279	2.9	120	0.00
106 TP	1,2-Dibromo-3-chloropropane	*	10.000	9.543	4.6	107	0.00
107 TP	1,3,5-Trichlorobenzene		0.473	0.508	-7.4	121	0.00
108 TP	Hexachlorobutadiene	*	10.000	8.791	12.1	106	0.00
109 TP	1,2,4-Trichlorobenzene		0.482	0.451	6.4	114	0.00
110 TP	Naphthalene	*	10.000	8.970	10.3	105	0.00
111 TP	1,2,3-Trichlorobenzene		0.443	0.403	9.0	107	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 9 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N19.D
Acq On : 17 Mar 2022 6:34 am
Operator : ELAINE:PD
Sample : C8260STD10PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:42:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.311	96	186771	10.000	ug/L	0.00
Standard Area 1 = 183905			Recovery = 101.56%			
59) Chlorobenzene-d5	8.389	117	135318	10.000	ug/L	0.00
Standard Area 1 = 135053			Recovery = 100.20%			
79) 1,4-Dichlorobenzene-d4	9.894	152	71813	10.000	ug/L	0.00
Standard Area 1 = 72095			Recovery = 99.61%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.296	113	46635	10.183	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.83%			
43) 1,2-Dichloroethane-d4	4.961	65	53956	9.927	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.27%			
60) Toluene-d8	7.042	98	179233	10.105	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.05%			
83) 4-Bromofluorobenzene	9.220	95	68812	10.065	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.65%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.896	85	46715	15.708	ug/L	99
3) Chloromethane	1.010	50	67918	16.054	ug/L	99
4) Vinyl chloride	1.060	62	55937	14.290	ug/L	96
5) Bromomethane	1.252	94	18808	13.705	ug/L	95
6) Chloroethane	1.333	64	25375	14.263	ug/L	99
7) Trichlorofluoromethane	1.419	101	51254	11.899	ug/L	99
8) Ethyl ether	1.642	74	16999	10.804	ug/L	88
10) 1,1-Dichloroethene	1.767	96	31301	11.441	ug/L	83
11) Carbon disulfide	1.772	76	85611	13.281	ug/L	98
12) Freon-113	1.803	101	30904	11.405	ug/L	96
13) Iodomethane	1.864	142	13604	7.312	ug/L	83
14) Acrolein	2.031	56	4673	10.947	ug/L	88
15) Methylene chloride	2.232	84	36324	10.629	ug/L	97
17) Acetone	2.284	43	8651	10.701	ug/L #	84
18) trans-1,2-Dichloroethene	2.365	96	32921	11.282	ug/L	92
19) Methyl acetate	2.404	43	18657	8.727	ug/L #	96
20) Methyl tert-butyl ether	2.479	73	71191	10.264	ug/L #	92
21) tert-Butyl alcohol	2.627	59	7119	44.442	ug/L #	83
22) Diisopropyl ether	2.880	45	148532	10.550	ug/L	99
23) 1,1-Dichloroethane	2.969	63	74419	11.477	ug/L	99
24) Halothane	3.111	117	27303	11.215	ug/L	97

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N19.D
Acq On : 17 Mar 2022 6:34 am
Operator : ELAINE:PD
Sample : C8260STD10PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:42:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	3.041	53	12128	11.354	ug/L		96
26) Ethyl tert-butyl ether	3.297	59	97611	9.799	ug/L		89
27) Vinyl acetate	3.314	43	69745	9.040	ug/L		97
28) cis-1,2-Dichloroethene	3.620	96	36164	10.743	ug/L		84
29) 2,2-Dichloropropane	3.745	77	39152	10.343	ug/L	#	68
30) Bromochloromethane	3.884	128	16073	10.412	ug/L		85
31) Cyclohexane	3.840	56	65152	10.411	ug/L		96
32) Chloroform	4.046	83	62833	11.460	ug/L		99
33) Ethyl acetate	4.301	43	25056M4	9.898	ug/L		
34) Carbon tetrachloride	4.160	117	42516	10.801	ug/L		99
35) Tetrahydrofuran	4.246	42	8568	10.658	ug/L		99
37) 1,1,1-Trichloroethane	4.268	97	52749	11.781	ug/L		96
39) 2-Butanone	4.496	43	8898	7.642	ug/L	#	71
40) 1,1-Dichloropropene	4.446	75	42769	10.687	ug/L		94
41) Benzene	4.769	78	145735	11.367	ug/L		96
42) tert-Amyl methyl ether	5.000	73	63870	9.436	ug/L	#	82
44) 1,2-Dichloroethane	5.044	62	43737	9.911	ug/L		97
47) Methyl cyclohexane	5.459	83	35538	9.389	ug/L		96
48) Trichloroethene	5.509	95	33632	10.773	ug/L		94
50) Dibromomethane	5.974	93	16420	9.833	ug/L		94
51) 1,2-Dichloropropane	6.085	63	39626	10.908	ug/L	#	92
53) 2-Chloroethyl vinyl ether	6.861	63	15937	8.776	ug/L		88
54) Bromodichloromethane	6.202	83	40706	9.961	ug/L		98
57) 1,4-Dioxane	6.430	88	9998	567.189	ug/L		95
58) cis-1,3-Dichloropropene	6.870	75	44260	9.472	ug/L		95
61) Toluene	7.092	92	87873	11.008	ug/L		96
62) 4-Methyl-2-pentanone	7.523	58	8136	8.400	ug/L	#	76
63) Tetrachloroethene	7.459	166	32882	10.979	ug/L		89
65) trans-1,3-Dichloropropene	7.543	75	34482	9.198	ug/L		90
67) Ethyl methacrylate	7.738	69	27657	9.173	ug/L		99
68) 1,1,2-Trichloroethane	7.676	83	20685	10.271	ug/L		96
69) Chlorodibromomethane	7.815	129	26285	9.431	ug/L		95
70) 1,3-Dichloropropane	7.893	76	43966	9.854	ug/L		100
71) 1,2-Dibromoethane	7.974	107	21515	8.777	ug/L		96
72) 2-Hexanone	8.233	43	15620M4	9.531	ug/L		
73) Chlorobenzene	8.397	112	91542	10.785	ug/L		93
74) Ethylbenzene	8.439	91	162914	11.626	ug/L		99
75) 1,1,1,2-Tetrachloroethane	8.461	131	27065	9.701	ug/L		93
76) p/m Xylene	8.550	106	128280	23.871	ug/L		96
77) o Xylene	8.837	106	125460	23.655	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N19.D
Acq On : 17 Mar 2022 6:34 am
Operator : ELAINE:PD
Sample : C8260STD10PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:42:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220316NICAL\VE220316N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	8.878	104	204798	24.069	ug/L		90
80)	Bromoform	8.881	173	15059	8.979	ug/L		98
82)	Isopropylbenzene	9.051	105	153698	11.080	ug/L		97
84)	Bromobenzene	9.273	156	36294	10.210	ug/L		97
85)	n-Propylbenzene	9.312	91	172038	10.897	ug/L		97
86)	1,4-Dichlorobutane	9.321	55	57920	10.183	ug/L		90
87)	1,1,2,2-Tetrachloroethane	9.374	83	26677	9.330	ug/L		94
88)	4-Ethyltoluene	9.382	105	150142	11.491	ug/L		96
89)	2-Chlorotoluene	9.396	91	128509	10.906	ug/L		96
90)	1,3,5-Trimethylbenzene	9.438	105	120235	10.826	ug/L		90
91)	1,2,3-Trichloropropane	9.440	75	22641	9.277	ug/L		97
92)	trans-1,4-Dichloro-2-b...	9.474	53	9300	9.174	ug/L	#	85
93)	4-Chlorotoluene	9.499	91	116122	10.760	ug/L		96
94)	tert-Butylbenzene	9.624	119	95907	10.782	ug/L		97
97)	1,2,4-Trimethylbenzene	9.668	105	123845	10.931	ug/L		96
98)	sec-Butylbenzene	9.730	105	127205	10.786	ug/L		100
99)	p-Isopropyltoluene	9.819	119	106621	9.941	ug/L		96
100)	1,3-Dichlorobenzene	9.849	146	66452	10.412	ug/L		99
101)	1,4-Dichlorobenzene	9.902	146	68075	10.519	ug/L		98
102)	p-Diethylbenzene	10.030	119	59662	10.049	ug/L		92
103)	n-Butylbenzene	10.061	91	82863	9.941	ug/L		98
104)	1,2-Dichlorobenzene	10.144	146	62423	10.076	ug/L		99
105)	1,2,4,5-Tetramethylben...	10.486	119	91816	9.708	ug/L		98
106)	1,2-Dibromo-3-chloropr...	10.600	155	3628	9.543	ug/L		87
107)	1,3,5-Trichlorobenzene	10.614	180	36482	10.734	ug/L		95
108)	Hexachlorobutadiene	10.959	225	8827	8.791	ug/L		96
109)	1,2,4-Trichlorobenzene	10.973	180	32359	9.354	ug/L		99
110)	Naphthalene	11.154	128	80261	8.970	ug/L		100
111)	1,2,3-Trichlorobenzene	11.257	180	28971	9.104	ug/L		99

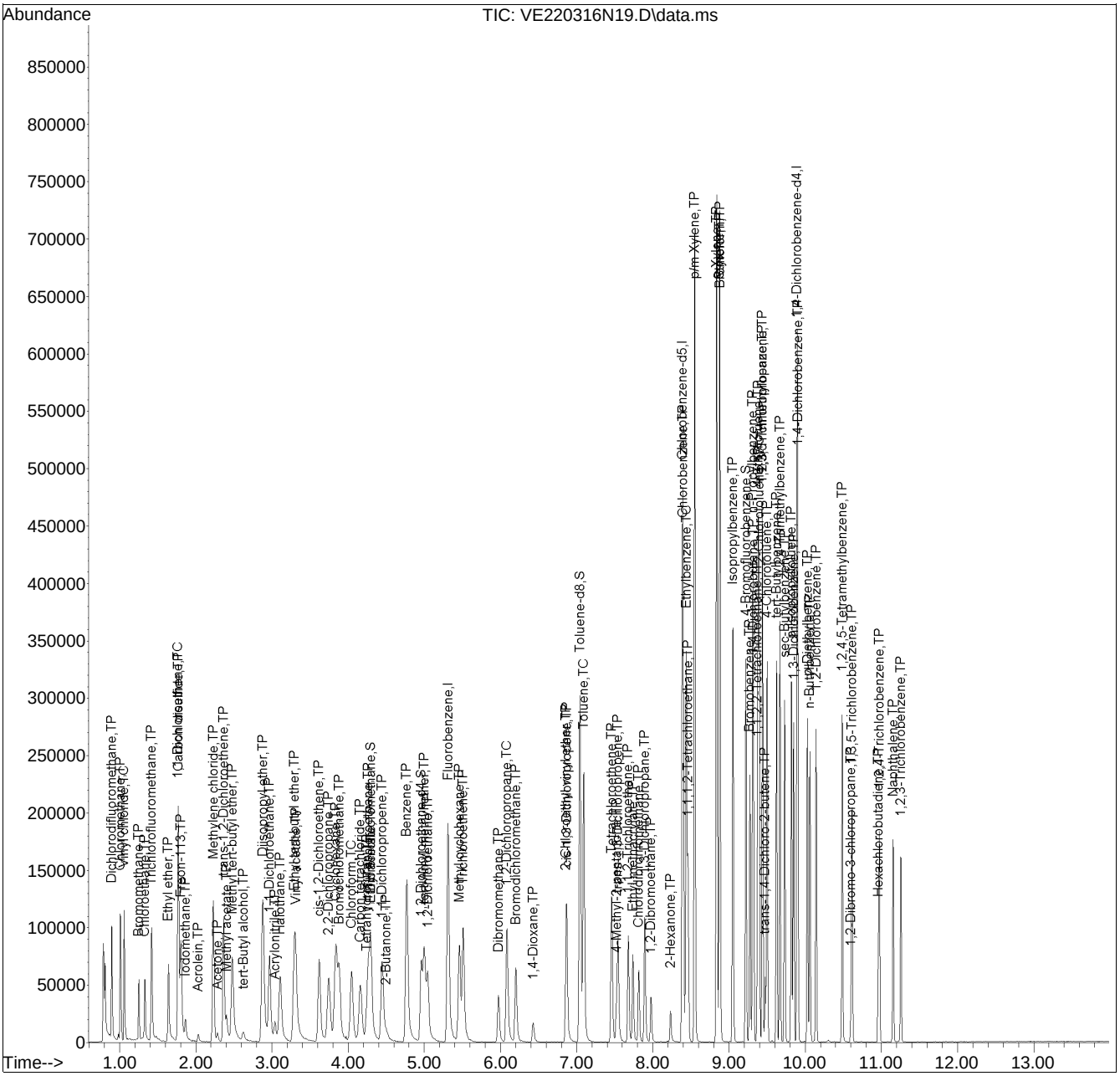
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220316NICAL\
Data File : VE220316N19.D
Acq On : 17 Mar 2022 6:34 am
Operator : ELAINE:PD
Sample : C8260STD10PPB
Misc : WG1616830,ICAL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 12:42:06 2022
Quant Method : I:\VOLATILES\Elaine\2022\220316NICAL\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

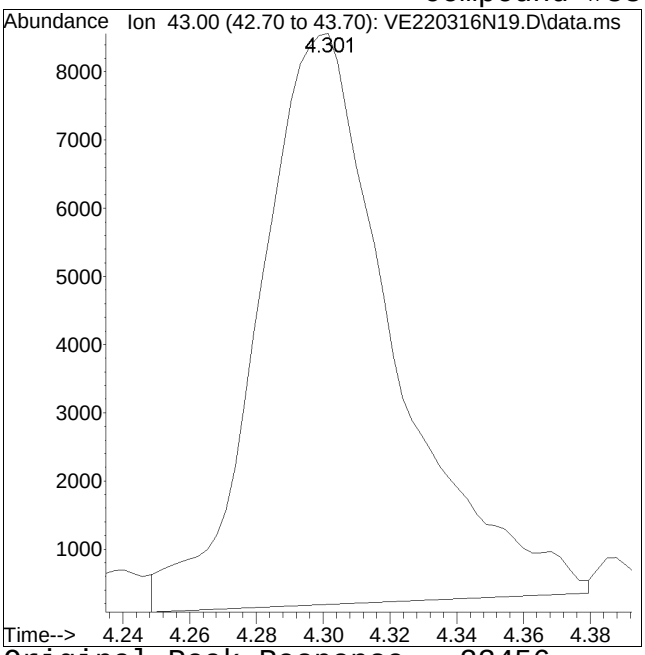
Sub List : 8260-Curve - Megamix plus Diox20316NICAL\VE220316N09.D•



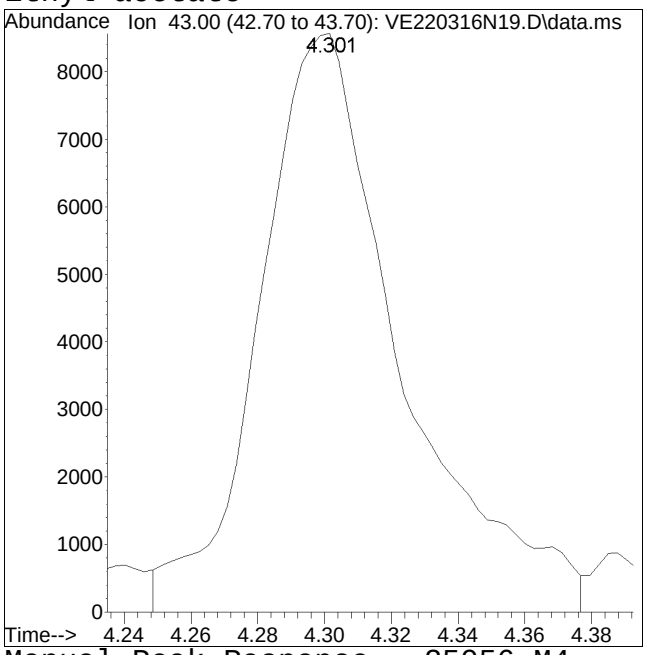
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N19.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 6:34 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 3/17/2022 12:41 pm

Compound #33: Ethyl acetate



Original Peak Response = 23456



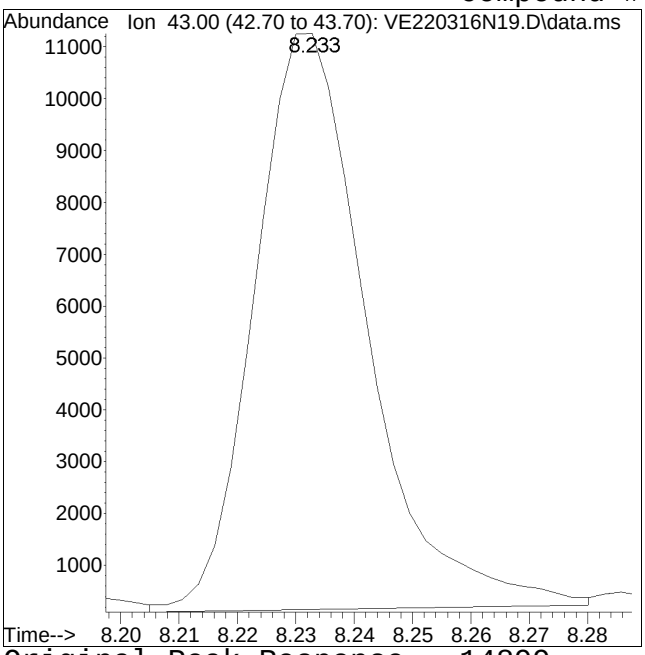
Manual Peak Response = 25056 M4

M4 = Poor automated baseline construction.

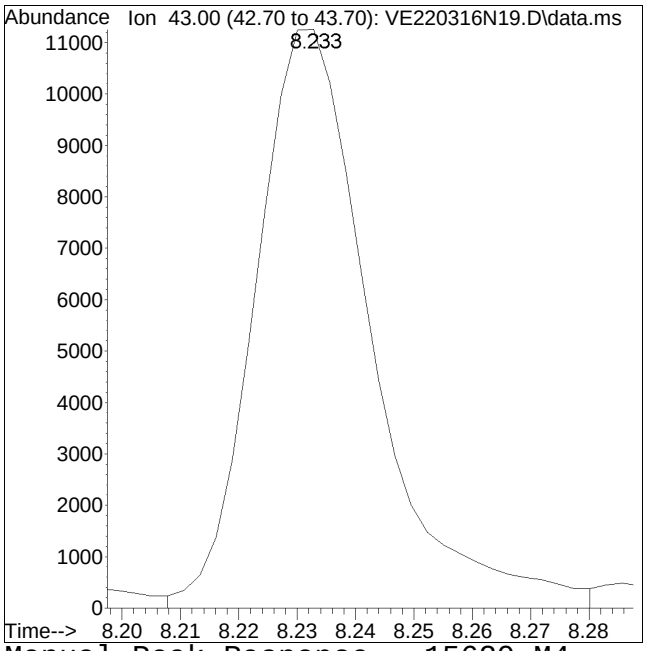
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220316N19.D Operator : ELAINE:PD
Date Inj'd : 3/17/2022 6:34 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 3/17/2022 12:41 pm

Compound #72: 2-Hexanone



Original Peak Response = 14899



Manual Peak Response = 15620 M4

M4 = Poor automated baseline construction.

Correlation Data Summary

Method Path: I:\VOLATILES\Elaine\2022\220316NICAL\
Method File: Elaine_220316N_8260.m
Method Title: VOLATILES BY GC/MS
Last Update: Thu Mar 17 12:37:40 2022
CSV generated: Thu Mar 17 12:53:16 2022

Analyte	Curve fit Type	Coefficient of Determination	Quadratic Term	Linear Term	Constant Term
Iodomethane	Quadratic	0.99758	0.001895	0.130392	-0.023521
Acrolein	Linear	0.996026	0	0.026002	-0.003445
Vinyl acetate	Linear	0.996629	0	0.490149	-0.069684
tert-Amyl methyl ether	Quadratic	0.9994	0.004677	0.368123	-0.009538
2-Chloroethyl vinyl ether	Linear	0.997552	0	0.115227	-0.015788
trans-1,3-Dichloropropene	Quadratic	0.998306	0.005396	0.281459	-0.008644
1,2-Dibromoethane	Linear	0.999143	0	0.188553	-0.006506
p-Isopropyltoluene	Linear	0.99565	0	1.532481	-0.038795
n-Butylbenzene	Linear	0.994806	0	1.190003	-0.029069
1,2-Dibromo-3-chloropropane	Quadratic	0.99955	0.000822	0.054526	-0.002263
Hexachlorobutadiene	Linear	0.993738	0	0.144419	-0.004042
Naphthalene	Quadratic	0.999395	0.012364	1.276098	-0.036944

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084		
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201		
Instrument ID	: VOA122	**Calibration Date**	: 03/23/22 09:24		
Lab File ID	: V22220323A01	**Init. Calib. Date(s)**	: 01/28/22	01/28/22	
Sample No	: WG1619277-2	**Init. Calib. Times**	: 19:06	22:44	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	61	0
Dichlorodifluoromethane	0.264	0.23	-	12.9	20	44	0
Chloromethane	0.249	0.261	-	-4.8	20	56	0
Vinyl chloride	0.257	0.33	-	-28.4*	20	68	0
Bromomethane	0.1	0.152	-	-52*	20	125	0
Chloroethane	0.163	0.286	-	-75.5*	20	93	0
Trichlorofluoromethane	0.38	0.418	-	-10	20	56	0
Ethyl ether	0.103	0.093	-	9.7	20	52	0
1,1-Dichloroethene	0.211	0.227	-	-7.6	20	55	0
Carbon disulfide	0.567	0.568	-	-0.2	20	53	0
Freon-113	0.218	0.249	-	-14.2	20	57	0
Acrolein	0.012	0.022	-	-83.3*	20	105	0
Methylene chloride	0.239	0.248	-	-3.8	20	58	0
Acetone	10	9.593	-	4.1	20	59	0
trans-1,2-Dichloroethene	0.228	0.253	-	-11	20	58	0
Methyl acetate	0.094	0.099	-	-5.3	20	60	0
Methyl tert-butyl ether	0.415	0.35	-	15.7	20	49	0
tert-Butyl alcohol	0.01204	0.00897*	-	25.5*	20	44	0
Diisopropyl ether	0.525	0.517	-	1.5	20	60	0
1,1-Dichloroethane	0.423	0.474	-	-12.1	20	59	0
Halothane	0.182	0.197	-	-8.2	20	57	0
Acrylonitrile	0.053	0.055	-	-3.8	20	59	0
Ethyl tert-butyl ether	0.484	0.431	-	11	20	55	0
Vinyl acetate	0.298	0.297	-	0.3	20	70	0
cis-1,2-Dichloroethene	0.257	0.271	-	-5.4	20	58	0
2,2-Dichloropropane	0.318	0.344	-	-8.2	20	57	0
Bromochloromethane	0.118	0.127	-	-7.6	20	59	0
Cyclohexane	0.376	0.453	-	-20.5*	20	61	0
Chloroform	0.444	0.453	-	-2	20	58	0
Ethyl acetate	0.135	0.121	-	10.4	20	58	0
Carbon tetrachloride	0.328	0.372	-	-13.4	20	57	0
Tetrahydrofuran	0.049	0.047	-	4.1	20	54	0
Dibromofluoromethane	0.316	0.323	-	-2.2	20	60	0
1,1,1-Trichloroethane	0.373	0.395	-	-5.9	20	54	0
2-Butanone	0.057	0.047	-	17.5	20	50	0
1,1-Dichloropropene	0.295	0.329	-	-11.5	20	61	0
Benzene	0.776	0.855	-	-10.2	20	61	0
tert-Amyl methyl ether	0.408	0.325	-	20.3*	20	50	0
1,2-Dichloroethane-d4	0.31	0.318	-	-2.6	20	61	0
1,2-Dichloroethane	0.278	0.297	-	-6.8	20	61	0
Methyl cyclohexane	0.347	0.344	-	0.9	20	55	0
Trichloroethene	0.216	0.226	-	-4.6	20	57	0
Dibromomethane	0.083	0.087	-	-4.8	20	62	-.02

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084		
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201		
Instrument ID	: VOA122	**Calibration Date**	: 03/23/22 09:24		
Lab File ID	: V22220323A01	**Init. Calib. Date(s)**	: 01/28/22	01/28/22	
Sample No	: WG1619277-2	**Init. Calib. Times**	: 19:06	22:44	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.196	0.22	-	-12.2	20	64	0
Bromodichloromethane	0.294	0.304	-	-3.4	20	60	0
1,4-Dioxane	0.00137	0.00105*	-	23.4*	20	45	0
cis-1,3-Dichloropropene	0.287	0.284*	-	1	20	57	0
Chlorobenzene-d5	1	1	-	0	20	60	0
Toluene-d8	1.233	1.204	-	2.4	20	59	0
Toluene	0.646	0.673	-	-4.2	20	58	0
4-Methyl-2-pentanone	0.053	0.044	-	17	20	49	0
Tetrachloroethene	0.305	0.333	-	-9.2	20	61	0
trans-1,3-Dichloropropene	10	8.178	-	18.2	20	56	0
Ethyl methacrylate	0.229	0.167	-	27.1*	20	42	0
1,1,2-Trichloroethane	0.148	0.141*	-	4.7	20	59	0
Chlorodibromomethane	0.171	0.187*	-	-9.4	20	67	0
1,3-Dichloropropane	0.306	0.3	-	2	20	60	0
1,2-Dibromoethane	0.185	0.173*	-	6.5	20	57	0
2-Hexanone	0.11	0.07	-	36.4*	20	38	0
Chlorobenzene	0.745	0.779	-	-4.6	20	59	0
Ethylbenzene	1.303	1.338	-	-2.7	20	56	0
1,1,1,2-Tetrachloroethane	0.256	0.24	-	6.3	20	57	0
p/m Xylene	0.514	0.538	-	-4.7	20	56	0
o Xylene	0.491	0.501	-	-2	20	56	0
Styrene	0.811	0.808	-	0.4	20	54	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	65	0
Bromoform	10	9.021	-	9.8	20	67	0
Isopropylbenzene	2.503	2.304	-	8	20	55	0
4-Bromofluorobenzene	0.903	0.777	-	14	20	56	0
Bromobenzene	0.589	0.58	-	1.5	20	62	0
n-Propylbenzene	2.896	2.79	-	3.7	20	57	0
1,4-Dichlorobutane	0.626	0.547	-	12.6	20	59	0
1,1,2,2-Tetrachloroethane	0.393	0.366	-	6.9	20	63	0
4-Ethyltoluene	2.42	2.212	-	8.6	20	55	0
2-Chlorotoluene	1.976	1.85	-	6.4	20	57	0
1,3,5-Trimethylbenzene	2.034	1.85	-	9	20	56	0
1,2,3-Trichloropropane	0.323	0.289	-	10.5	20	59	0
trans-1,4-Dichloro-2-buten	0.124	0.096	-	22.6*	20	55	0
4-Chlorotoluene	1.768	1.635	-	7.5	20	56	0
tert-Butylbenzene	1.445	1.201	-	16.9	20	52	0
1,2,4-Trimethylbenzene	1.999	1.809	-	9.5	20	56	0
sec-Butylbenzene	2.569	2.452	-	4.6	20	56	0
p-Isopropyltoluene	2.215	2.042	-	7.8	20	55	0
1,3-Dichlorobenzene	1.184	1.19	-	-0.5	20	63	0
1,4-Dichlorobenzene	1.197	1.199	-	-0.2	20	63	0
p-Diethylbenzene	1.288	1.153	-	10.5	20	55	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084	
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201	
Instrument ID	: VOA122	**Calibration Date**	: 03/23/22 09:24	
Lab File ID	: V22220323A01	**Init. Calib. Date(s)**	: 01/28/22	01/28/22
Sample No	: WG1619277-2	**Init. Calib. Times**	: 19:06	22:44
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.784	1.758	-	1.5	20	60	0
1,2-Dichlorobenzene	1.078	1.05	-	2.6	20	61	0
1,2,4,5-Tetramethylbenzene	1.887	1.541	-	18.3	20	50	0
1,2-Dibromo-3-chloropropan	0.067	0.057	-	14.9	20	57	0
1,3,5-Trichlorobenzene	0.718	0.729	-	-1.5	20	64	0
Hexachlorobutadiene	0.253	0.296	-	-17	20	72	0
1,2,4-Trichlorobenzene	0.627	0.603	-	3.8	20	62	0
Naphthalene	1.42	1.075	-	24.3*	20	50	0
1,2,3-Trichlorobenzene	0.539	0.52	-	3.5	20	64	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084		
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201		
Instrument ID	: ELAINE	**Calibration Date**	: 03/24/22 07:02		
Lab File ID	: VE220324A01	**Init. Calib. Date(s)**	: 03/17/22	03/17/22	
Sample No	: WG1619786-2	**Init. Calib. Times**	: 01:07	04:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	98	0
Dichlorodifluoromethane	0.159	0.16	-	-0.6	20	100	0
Chloromethane	0.227	0.26	-	-14.5	20	117	0
Vinyl chloride	0.21	0.22	-	-4.8	20	111	0
Bromomethane	0.073	0.101	-	-38.4*	20	155	0
Chloroethane	0.095	0.112	-	-17.9	20	114	0
Trichlorofluoromethane	0.231	0.24	-	-3.9	20	108	0
Ethyl ether	0.084	0.084	-	0	20	112	0
1,1-Dichloroethene	0.146	0.144	-	1.4	20	102	0
Carbon disulfide	0.345	0.364	-	-5.5	20	110	0
Freon-113	0.145	0.144	-	0.7	20	105	0
Acrolein	10	8.611	-	13.9	20	86	0
Methylene chloride	0.183	0.193	-	-5.5	20	112	0
Acetone	0.043	0.046	-	-7	20	101	0
trans-1,2-Dichloroethene	0.156	0.166	-	-6.4	20	113	0
Methyl acetate	0.114	0.103	-	9.6	20	95	0
Methyl tert-butyl ether	0.371	0.336	-	9.4	20	92	0
tert-Butyl alcohol	0.00858	0.00722*	-	15.9	20	101	-.01
Diisopropyl ether	0.754	0.739	-	2	20	109	0
1,1-Dichloroethane	0.347	0.366	-	-5.5	20	109	0
Halothane	0.13	0.135	-	-3.8	20	112	0
Acrylonitrile	0.057	0.052	-	8.8	20	86	0
Ethyl tert-butyl ether	0.533	0.462	-	13.3	20	98	0
Vinyl acetate	10	8.792	-	12.1	20	103	0
cis-1,2-Dichloroethene	0.18	0.187*	-	-3.9	20	109	0
2,2-Dichloropropane	0.203	0.222	-	-9.4	20	120	0
Bromochloromethane	0.083	0.09*	-	-8.4	20	115	0
Cyclohexane	0.335	0.331	-	1.2	20	102	0
Chloroform	0.294	0.319	-	-8.5	20	113	0
Ethyl acetate	0.136	0.101	-	25.7*	20	85	0
Carbon tetrachloride	0.211	0.215	-	-1.9	20	108	0
Tetrahydrofuran	0.043	0.04	-	7	20	101	0
Dibromofluoromethane	0.245	0.247	-	-0.8	20	98	0
1,1,1-Trichloroethane	0.24	0.248	-	-3.3	20	111	0
2-Butanone	0.062	0.05	-	19.4	20	92	0
1,1-Dichloropropene	0.214	0.209	-	2.3	20	103	0
Benzene	0.686	0.69	-	-0.6	20	103	0
tert-Amyl methyl ether	10	8.794	-	12.1	20	98	0
1,2-Dichloroethane-d4	0.291	0.281	-	3.4	20	94	0
1,2-Dichloroethane	0.236	0.24	-	-1.7	20	101	0
Methyl cyclohexane	0.203	0.194	-	4.4	20	107	0
Trichloroethene	0.167	0.179*	-	-7.2	20	117	0
Dibromomethane	0.089	0.089	-	0	20	102	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084		
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201		
Instrument ID	: ELAINE	**Calibration Date**	: 03/24/22 07:02		
Lab File ID	: VE220324A01	**Init. Calib. Date(s)**	: 03/17/22	03/17/22	
Sample No	: WG1619786-2	**Init. Calib. Times**	: 01:07	04:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.194	0.211	-	-8.8	20	115	0
Bromodichloromethane	0.219	0.228*	-	-4.1	20	110	0
1,4-Dioxane	0.00094	0.00094*	-	0	20	100	0
cis-1,3-Dichloropropene	0.25	0.247*	-	1.2	20	112	0
Chlorobenzene-d5	1	1	-	0	20	98	0
Toluene-d8	1.311	1.315	-	-0.3	20	98	0
Toluene	0.59	0.619	-	-4.9	20	109	0
4-Methyl-2-pentanone	0.072	0.057	-	20.8*	20	92	0
Tetrachloroethene	0.221	0.23	-	-4.1	20	113	0
trans-1,3-Dichloropropene	10	9.164	-	8.4	20	106	0
Ethyl methacrylate	0.223	0.189	-	15.2	20	94	0
1,1,2-Trichloroethane	0.149	0.141*	-	5.4	20	99	0
Chlorodibromomethane	0.206	0.199*	-	3.4	20	103	0
1,3-Dichloropropane	0.33	0.33	-	0	20	105	0
1,2-Dibromoethane	10	8.631	-	13.7	20	100	0
2-Hexanone	0.121	0.109	-	9.9	20	94	0
Chlorobenzene	0.627	0.668	-	-6.5	20	112	0
Ethylbenzene	1.036	1.121	-	-8.2	20	109	0
1,1,1,2-Tetrachloroethane	0.206	0.208	-	-1	20	113	0
p/m Xylene	0.397	0.431	-	-8.6	20	105	0
o Xylene	0.392	0.428	-	-9.2	20	108	0
Styrene	0.629	0.71	-	-12.9	20	109	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	95	0
Bromoform	0.234	0.215	-	8.1	20	102	0
Isopropylbenzene	1.932	1.996	-	-3.3	20	108	0
4-Bromofluorobenzene	0.952	0.946	-	0.6	20	95	0
Bromobenzene	0.495	0.524	-	-5.9	20	113	0
n-Propylbenzene	2.198	2.258	-	-2.7	20	106	0
1,4-Dichlorobutane	0.792	0.787	-	0.6	20	101	0
1,1,2,2-Tetrachloroethane	0.398	0.368	-	7.5	20	95	0
4-Ethyltoluene	1.819	1.915	-	-5.3	20	109	0
2-Chlorotoluene	1.641	1.72	-	-4.8	20	109	0
1,3,5-Trimethylbenzene	1.546	1.657	-	-7.2	20	109	0
1,2,3-Trichloropropane	0.34	0.322	-	5.3	20	98	0
trans-1,4-Dichloro-2-buten	0.141	0.133	-	5.7	20	93	0
4-Chlorotoluene	1.503	1.606	-	-6.9	20	109	0
tert-Butylbenzene	1.239	1.286	-	-3.8	20	108	0
1,2,4-Trimethylbenzene	1.578	1.657	-	-5	20	110	0
sec-Butylbenzene	1.642	1.677	-	-2.1	20	107	0
p-Isopropyltoluene	10	9.522	-	4.8	20	109	0
1,3-Dichlorobenzene	0.889	0.981	-	-10.3	20	113	0
1,4-Dichlorobenzene	0.901	1.001	-	-11.1	20	116	0
p-Diethylbenzene	0.827	0.776	-	6.2	20	108	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084	
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201	
Instrument ID	: ELAINE	**Calibration Date**	: 03/24/22 07:02	
Lab File ID	: VE220324A01	**Init. Calib. Date(s)**	: 03/17/22	03/17/22
Sample No	: WG1619786-2	**Init. Calib. Times**	: 01:07	04:31
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	10	9.308	-	6.9	20	107	0
1,2-Dichlorobenzene	0.863	0.915	-	-6	20	110	0
1,2,4,5-Tetramethylbenzene	1.317	1.199	-	9	20	107	0
1,2-Dibromo-3-chloropropan	10	8.325	-	16.8	20	88	0
1,3,5-Trichlorobenzene	0.473	0.507	-	-7.2	20	115	0
Hexachlorobutadiene	10	10.448	-	-4.5	20	120	0
1,2,4-Trichlorobenzene	0.482	0.464	-	3.7	20	112	0
Naphthalene	10	8.275	-	17.2	20	92	0
1,2,3-Trichlorobenzene	0.443	0.424	-	4.3	20	106	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084		
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201		
Instrument ID	: VOA105	**Calibration Date**	: 03/24/22 07:04		
Lab File ID	: V05220324A01	**Init. Calib. Date(s)**	: 02/08/22	02/08/22	
Sample No	: WG1619815-2	**Init. Calib. Times**	: 17:32	20:59	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	61	0
Dichlorodifluoromethane	0.216	0.245	-	-13.4	20	75	0
Chloromethane	0.375	0.304	-	18.9	20	51	0
Vinyl chloride	0.272	0.283	-	-4	20	66	0
Bromomethane	0.134	0.15	-	-11.9	20	84	0
Chloroethane	0.163	0.176	-	-8	20	69	0
Trichlorofluoromethane	0.319	0.437	-	-37*	20	92	0
Ethyl ether	0.084	0.085	-	-1.2	20	65	0
1,1-Dichloroethene	0.186	0.222	-	-19.4	20	75	0
Carbon disulfide	0.539	0.53	-	1.7	20	65	0
Freon-113	0.197	0.238	-	-20.8*	20	79	0
Acrolein	0.03	0.026	-	13.3	20	62	0
Methylene chloride	0.227	0.239	-	-5.3	20	67	0
Acetone	0.047	0.038	-	19.1	20	57	0
trans-1,2-Dichloroethene	0.216	0.246	-	-13.9	20	74	0
Methyl acetate	0.132	0.104	-	21.2*	20	53	0
Methyl tert-butyl ether	0.434	0.467	-	-7.6	20	71	0
tert-Butyl alcohol	0.00889	0.00962*	-	-8.2	20	67	0
Diisopropyl ether	0.998	0.91	-	8.8	20	59	0
1,1-Dichloroethane	0.499	0.533	-	-6.8	20	67	0
Halothane	0.163	0.189	-	-16	20	74	0
Acrylonitrile	0.067	0.059	-	11.9	20	57	0
Ethyl tert-butyl ether	0.731	0.731	-	0	20	67	0
Vinyl acetate	0.507	0.456	-	10.1	20	64	0
cis-1,2-Dichloroethene	0.247	0.272	-	-10.1	20	71	0
2,2-Dichloropropane	0.323	0.442	-	-36.8*	20	90	0
Bromochloromethane	0.107	0.124	-	-15.9	20	72	0
Cyclohexane	0.568	0.605	-	-6.5	20	69	0
Chloroform	0.418	0.506	-	-21.1*	20	78	0
Ethyl acetate	0.183	0.149	-	18.6	20	55	0
Carbon tetrachloride	0.316	0.42	-	-32.9*	20	89	0
Tetrahydrofuran	0.057	0.046	-	19.3	20	53	0
Dibromofluoromethane	0.26	0.289	-	-11.2	20	68	0
1,1,1-Trichloroethane	0.36	0.464	-	-28.9*	20	82	0
2-Butanone	0.079	0.064	-	19	20	58	0
1,1-Dichloropropene	0.307	0.355	-	-15.6	20	76	0
Benzene	0.891	0.935	-	-4.9	20	67	0
tert-Amyl methyl ether	0.449	0.472	-	-5.1	20	71	0
1,2-Dichloroethane-d4	0.343	0.387	-	-12.8	20	66	0
1,2-Dichloroethane	0.35	0.402	-	-14.9	20	74	0
Methyl cyclohexane	0.402	0.439	-	-9.2	20	75	0
Trichloroethene	0.256	0.264	-	-3.1	20	74	0
Dibromomethane	0.118	0.131	-	-11	20	72	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084		
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201		
Instrument ID	: VOA105	**Calibration Date**	: 03/24/22 07:04		
Lab File ID	: V05220324A01	**Init. Calib. Date(s)**	: 02/08/22	02/08/22	
Sample No	: WG1619815-2	**Init. Calib. Times**	: 17:32	20:59	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.279	0.287	-	-2.9	20	65	0
Bromodichloromethane	0.3	0.375	-	-25*	20	82	0
1,4-Dioxane	0.00092	0.00085*	-	7.6	20	58	0
cis-1,3-Dichloropropene	10	10.427	-	-4.3	20	79	0
Chlorobenzene-d5	1	1	-	0	20	63	0
Toluene-d8	1.306	1.314	-	-0.6	20	63	0
Toluene	0.752	0.835	-	-11	20	73	0
4-Methyl-2-pentanone	0.084	0.076	-	9.5	20	62	0
Tetrachloroethene	0.334	0.403	-	-20.7*	20	81	0
trans-1,3-Dichloropropene	10	11.479	-	-14.8	20	87	0
Ethyl methacrylate	0.257	0.259	-	-0.8	20	67	0
1,1,2-Trichloroethane	0.179	0.189*	-	-5.6	20	68	0
Chlorodibromomethane	0.271	0.332	-	-22.5*	20	84	0
1,3-Dichloropropane	0.424	0.463	-	-9.2	20	71	0
1,2-Dibromoethane	10	10.721	-	-7.2	20	76	0
2-Hexanone	0.15	0.129	-	14	20	58	0
Chlorobenzene	0.836	0.975	-	-16.6	20	77	0
Ethylbenzene	1.492	1.736	-	-16.4	20	76	0
1,1,1,2-Tetrachloroethane	0.289	0.363	-	-25.6*	20	86	0
p/m Xylene	0.556	0.659	-	-18.5	20	76	0
o Xylene	0.531	0.63	-	-18.6	20	76	0
Styrene	0.868	1.016	-	-17.1	20	74	-.01
1,4-Dichlorobenzene-d4	1	1	-	0	20	64	0
Bromoform	10	11.021	-	-10.2	20	85	0
Isopropylbenzene	2.788	3.195	-	-14.6	20	79	0
4-Bromofluorobenzene	0.905	0.892	-	1.4	20	64	0
Bromobenzene	0.621	0.72	-	-15.9	20	80	0
n-Propylbenzene	3.195	3.684	-	-15.3	20	79	0
1,4-Dichlorobutane	0.972	0.976	-	-0.4	20	69	0
1,1,2,2-Tetrachloroethane	0.433	0.422	-	2.5	20	68	0
4-Ethyltoluene	2.658	3.166	-	-19.1	20	81	0
2-Chlorotoluene	1.944	2.266	-	-16.6	20	81	0
1,3,5-Trimethylbenzene	2.325	2.7	-	-16.1	20	80	0
1,2,3-Trichloropropane	0.381	0.379	-	0.5	20	71	0
trans-1,4-Dichloro-2-buten	0.167	0.164	-	1.8	20	73	0
4-Chlorotoluene	2.025	2.368	-	-16.9	20	80	0
tert-Butylbenzene	2	2.326	-	-16.3	20	79	0
1,2,4-Trimethylbenzene	2.267	2.675	-	-18	20	81	0
sec-Butylbenzene	2.85	3.317	-	-16.4	20	79	0
p-Isopropyltoluene	2.457	2.942	-	-19.7	20	82	0
1,3-Dichlorobenzene	1.212	1.407	-	-16.1	20	79	0
1,4-Dichlorobenzene	1.227	1.45	-	-18.2	20	81	0
p-Diethylbenzene	1.392	1.702	-	-22.3*	20	85	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084	
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201	
Instrument ID	: VOA105	**Calibration Date**	: 03/24/22 07:04	
Lab File ID	: V05220324A01	**Init. Calib. Date(s)**	: 02/08/22	02/08/22
Sample No	: WG1619815-2	**Init. Calib. Times**	: 17:32	20:59
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	2.022	2.37	-	-17.2	20	82	0
1,2-Dichlorobenzene	1.093	1.258	-	-15.1	20	78	0
1,2,4,5-Tetramethylbenzene	2.033	2.457	-	-20.9*	20	83	0
1,2-Dibromo-3-chloropropan	10	9.553	-	4.5	20	78	0
1,3,5-Trichlorobenzene	0.772	0.919	-	-19	20	82	0
Hexachlorobutadiene	0.312	0.382	-	-22.4*	20	86	0
1,2,4-Trichlorobenzene	0.632	0.714	-	-13	20	80	0
Naphthalene	1.206	1.243	-	-3.1	20	75	0
1,2,3-Trichlorobenzene	0.524	0.575	-	-9.7	20	77	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084		
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201		
Instrument ID	: ELAINE	**Calibration Date**	: 03/29/22 06:50		
Lab File ID	: VE220329A01	**Init. Calib. Date(s)**	: 03/17/22	03/17/22	
Sample No	: WG1621241-2	**Init. Calib. Times**	: 01:07	04:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	108	0
Dichlorodifluoromethane	0.159	0.135	-	15.1	20	94	0
Chloromethane	0.227	0.22	-	3.1	20	110	0
Vinyl chloride	0.21	0.205	-	2.4	20	114	0
Bromomethane	0.073	0.071	-	2.7	20	120	0
Chloroethane	0.095	0.115	-	-21.1*	20	130	0
Trichlorofluoromethane	0.231	0.232	-	-0.4	20	115	0
Ethyl ether	0.084	0.08	-	4.8	20	118	0
1,1-Dichloroethene	0.146	0.132	-	9.6	20	103	0
Carbon disulfide	0.345	0.355	-	-2.9	20	119	0
Freon-113	0.145	0.149	-	-2.8	20	120	0
Acrolein	10	8.777	-	12.2	20	97	0
Methylene chloride	0.183	0.179	-	2.2	20	115	0
Acetone	0.043	0.037	-	14	20	90	0
trans-1,2-Dichloroethene	0.156	0.15	-	3.8	20	113	0
Methyl acetate	0.114	0.097	-	14.9	20	99	0
Methyl tert-butyl ether	0.371	0.309	-	16.7	20	94	0
tert-Butyl alcohol	0.00858	0.00701*	-	18.3	20	108	-.01
Diisopropyl ether	0.754	0.727	-	3.6	20	118	0
1,1-Dichloroethane	0.347	0.354	-	-2	20	116	0
Halothane	0.13	0.118	-	9.2	20	108	0
Acrylonitrile	0.057	0.05	-	12.3	20	93	0
Ethyl tert-butyl ether	0.533	0.466	-	12.6	20	109	0
Vinyl acetate	10	8.4	-	16	20	108	0
cis-1,2-Dichloroethene	0.18	0.176*	-	2.2	20	114	0
2,2-Dichloropropane	0.203	0.215	-	-5.9	20	129	0
Bromochloromethane	0.083	0.077*	-	7.2	20	109	0
Cyclohexane	0.335	0.355	-	-6	20	121	0
Chloroform	0.294	0.276	-	6.1	20	108	0
Ethyl acetate	0.136	0.1	-	26.5*	20	93	0
Carbon tetrachloride	0.211	0.207	-	1.9	20	115	0
Tetrahydrofuran	0.043	0.039	-	9.3	20	108	0
Dibromofluoromethane	0.245	0.246	-	-0.4	20	108	0
1,1,1-Trichloroethane	0.24	0.234	-	2.5	20	116	0
2-Butanone	0.062	0.044	-	29*	20	91	0
1,1-Dichloropropene	0.214	0.21	-	1.9	20	114	0
Benzene	0.686	0.652	-	5	20	107	0
tert-Amyl methyl ether	10	8.203	-	18	20	100	-.01
1,2-Dichloroethane-d4	0.291	0.271	-	6.9	20	100	0
1,2-Dichloroethane	0.236	0.234	-	0.8	20	110	0
Methyl cyclohexane	0.203	0.204	-	-0.5	20	125	0
Trichloroethene	0.167	0.156*	-	6.6	20	112	0
Dibromomethane	0.089	0.083	-	6.7	20	105	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084		
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201		
Instrument ID	: ELAINE	**Calibration Date**	: 03/29/22 06:50		
Lab File ID	: VE220329A01	**Init. Calib. Date(s)**	: 03/17/22	03/17/22	
Sample No	: WG1621241-2	**Init. Calib. Times**	: 01:07	04:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.194	0.203	-	-4.6	20	122	0
Bromodichloromethane	0.219	0.213*	-	2.7	20	114	0
1,4-Dioxane	0.00094	0.00102*	-	-8.5	20	120	0
cis-1,3-Dichloropropene	0.25	0.232*	-	7.2	20	116	0
Chlorobenzene-d5	1	1	-	0	20	108	0
Toluene-d8	1.311	1.314	-	-0.2	20	108	0
Toluene	0.59	0.584	-	1	20	113	0
4-Methyl-2-pentanone	0.072	0.055	-	23.6*	20	99	0
Tetrachloroethene	0.221	0.223	-	-0.9	20	121	0
trans-1,3-Dichloropropene	10	8.999	-	10	20	115	0
Ethyl methacrylate	0.223	0.175	-	21.5*	20	96	0
1,1,2-Trichloroethane	0.149	0.135*	-	9.4	20	104	0
Chlorodibromomethane	0.206	0.186*	-	9.7	20	107	0
1,3-Dichloropropane	0.33	0.296	-	10.3	20	104	0
1,2-Dibromoethane	10	8.006	-	19.9	20	102	0
2-Hexanone	0.121	0.103	-	14.9	20	97	0
Chlorobenzene	0.627	0.638	-	-1.8	20	118	0
Ethylbenzene	1.036	1.079	-	-4.2	20	116	0
1,1,1,2-Tetrachloroethane	0.206	0.195	-	5.3	20	117	0
p/m Xylene	0.397	0.421	-	-6	20	113	0
o Xylene	0.392	0.409	-	-4.3	20	114	0
Styrene	0.629	0.663	-	-5.4	20	112	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	104	0
Bromoform	0.234	0.197	-	15.8	20	103	0
Isopropylbenzene	1.932	1.972	-	-2.1	20	117	0
4-Bromofluorobenzene	0.952	0.942	-	1.1	20	104	0
Bromobenzene	0.495	0.503	-	-1.6	20	119	0
n-Propylbenzene	2.198	2.215	-	-0.8	20	115	0
1,4-Dichlorobutane	0.792	0.727	-	8.2	20	102	0
1,1,2,2-Tetrachloroethane	0.398	0.322	-	19.1	20	91	0
4-Ethyltoluene	1.819	1.837	-	-1	20	115	0
2-Chlorotoluene	1.641	1.645	-	-0.2	20	115	0
1,3,5-Trimethylbenzene	1.546	1.563	-	-1.1	20	113	0
1,2,3-Trichloropropane	0.34	0.296	-	12.9	20	99	0
trans-1,4-Dichloro-2-buten	0.141	0.12	-	14.9	20	92	0
4-Chlorotoluene	1.503	1.489	-	0.9	20	111	0
tert-Butylbenzene	1.239	1.258	-	-1.5	20	116	0
1,2,4-Trimethylbenzene	1.578	1.571	-	0.4	20	115	0
sec-Butylbenzene	1.642	1.632	-	0.6	20	114	0
p-Isopropyltoluene	10	9.3	-	7	20	117	0
1,3-Dichlorobenzene	0.889	0.887	-	0.2	20	112	0
1,4-Dichlorobenzene	0.901	0.915	-	-1.6	20	117	0
p-Diethylbenzene	0.827	0.765	-	7.5	20	117	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2214084	
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201	
Instrument ID	: ELAINE	**Calibration Date**	: 03/29/22 06:50	
Lab File ID	: VE220329A01	**Init. Calib. Date(s)**	: 03/17/22	03/17/22
Sample No	: WG1621241-2	**Init. Calib. Times**	: 01:07	04:31
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	10	9.194	-	8.1	20	116	0
1,2-Dichlorobenzene	0.863	0.838	-	2.9	20	110	0
1,2,4,5-Tetramethylbenzene	1.317	1.156	-	12.2	20	113	0
1,2-Dibromo-3-chloropropan	10	8.084	-	19.2	20	93	0
1,3,5-Trichlorobenzene	0.473	0.477	-	-0.8	20	119	0
Hexachlorobutadiene	10	9.946	-	0.5	20	126	0
1,2,4-Trichlorobenzene	0.482	0.435	-	9.8	20	115	0
Naphthalene	10	7.907	-	20.9*	20	96	0
1,2,3-Trichlorobenzene	0.443	0.392*	-	11.5	20	108	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A01.D
Acq On : 23 Mar 2022 09:24 am
Operator : VOA122:PD
Sample : WG1619277-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 23 10:07:33 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	61	0.00
2	TP	Dichlorodifluoromethane	0.264	0.230	12.9	44#	0.00
3	TP	Chloromethane	0.249	0.261	-4.8	56	0.00
4	TC	Vinyl chloride	0.257	0.330	-28.4#	68	0.00
5	TP	Bromomethane	0.100	0.152	-52.0#	125	0.00
6	TP	Chloroethane	0.163	0.286	-75.5#	93	0.00
7	TP	Trichlorofluoromethane	0.380	0.418	-10.0	56	0.00
8	TP	Ethyl ether	0.103	0.093	9.7	52	0.00
10	TC	1,1-Dichloroethene	0.211	0.227	-7.6	55	0.00
11	TP	Carbon disulfide	0.567	0.568	-0.2	53	0.00
12	TP	Freon-113	0.218	0.249	-14.2	57	0.00
14	TP	Acrolein	0.012	0.022	-83.3#	105	0.00
15	TP	Methylene chloride	0.239	0.248	-3.8	58	0.00
17	TP	Acetone	* 10.000	9.593	4.1	59	0.00
18	TP	trans-1,2-Dichloroethene	0.228	0.253	-11.0	58	0.00
19	TP	Methyl acetate	0.094	0.099	-5.3	60	0.00
21	TP	Methyl tert-butyl ether	0.415	0.350	15.7	49#	0.00
22	TP	tert-Butyl alcohol	0.01204	0.00897#	25.5#	44#	0.00
24	TP	Diisopropyl ether	0.525	0.517	1.5	60	0.00
25	TP	1,1-Dichloroethane	0.423	0.474	-12.1	59	0.00
26	TP	Halothane	0.182	0.197	-8.2	57	0.00
27	TP	Acrylonitrile	0.053	0.055	-3.8	59	0.00
28	TP	Ethyl tert-butyl ether	0.484	0.431	11.0	55	0.00
29	TP	Vinyl acetate	0.298	0.297	0.3	70	0.00
30	TP	cis-1,2-Dichloroethene	0.257	0.271	-5.4	58	0.00
31	TP	2,2-Dichloropropane	0.318	0.344	-8.2	57	0.00
32	TP	Bromochloromethane	0.118	0.127	-7.6	59	0.00
33	TP	Cyclohexane	0.376	0.453	-20.5#	61	0.00
34	TC	Chloroform	0.444	0.453	-2.0	58	0.00
35	TP	Ethyl acetate	0.135	0.121	10.4	58	0.00
36	TP	Carbon tetrachloride	0.328	0.372	-13.4	57	0.00
37	TP	Tetrahydrofuran	0.049	0.047	4.1	54	0.00
38	S	Dibromofluoromethane	0.316	0.323	-2.2	60	0.00
39	TP	1,1,1-Trichloroethane	0.373	0.395	-5.9	54	0.00
41	TP	2-Butanone	0.057	0.047	17.5	50#	0.00
42	TP	1,1-Dichloropropene	0.295	0.329	-11.5	61	0.00
44	TP	Benzene	0.776	0.855	-10.2	61	0.00
45	TP	tert-Amyl methyl ether	0.408	0.325	20.3#	50#	0.00
46	S	1,2-Dichloroethane-d4	0.310	0.318	-2.6	61	0.00

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A01.D
Acq On : 23 Mar 2022 09:24 am
Operator : VOA122:PD
Sample : WG1619277-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 23 10:07:33 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	1,2-Dichloroethane	0.278	0.297	-6.8	61	0.00
50	TP	Methyl cyclohexane	0.347	0.344	0.9	55	0.00
51	TP	Trichloroethene	0.216	0.226	-4.6	57	0.00
53	TP	Dibromomethane	0.083	0.087	-4.8	62	-0.02
54	TC	1,2-Dichloropropane	0.196	0.220	-12.2	64	0.00
57	TP	Bromodichloromethane	0.294	0.304	-3.4	60	0.00
60	TP	1,4-Dioxane	0.00137	0.00105#	23.4#	45#	0.00
61	TP	cis-1,3-Dichloropropene	0.287	0.284#	1.0	57	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	60	0.00
63	S	Toluene-d8	1.233	1.204	2.4	59	0.00
64	TC	Toluene	0.646	0.673	-4.2	58	0.00
65	TP	4-Methyl-2-pentanone	0.053	0.044	17.0	49#	0.00
66	TP	Tetrachloroethene	0.305	0.333	-9.2	61	0.00
68	TP	trans-1,3-Dichloropropene	* 10.000	8.178	18.2	56	0.00
70	TP	Ethyl methacrylate	0.229	0.167	27.1#	42#	0.00
71	TP	1,1,2-Trichloroethane	0.148	0.141#	4.7	59	0.00
72	TP	Chlorodibromomethane	0.171	0.187#	-9.4	67	0.00
73	TP	1,3-Dichloropropane	0.306	0.300	2.0	60	0.00
74	TP	1,2-Dibromoethane	0.185	0.173#	6.5	57	0.00
76	TP	2-Hexanone	0.110	0.070	36.4#	38#	0.00
77	TP	Chlorobenzene	0.745	0.779	-4.6	59	0.00
78	TC	Ethylbenzene	1.303	1.338	-2.7	56	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.256	0.240	6.3	57	0.00
80	TP	p/m Xylene	0.514	0.538	-4.7	56	0.00
81	TP	o Xylene	0.491	0.501	-2.0	56	0.00
82	TP	Styrene	0.811	0.808	0.4	54	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	65	0.00
84	TP	Bromoform	* 10.000	9.021	9.8	67	0.00
86	TP	Isopropylbenzene	2.503	2.304	8.0	55	0.00
87	S	4-Bromofluorobenzene	0.903	0.777	14.0	56	0.00
88	TP	Bromobenzene	0.589	0.580	1.5	62	0.00
89	TP	n-Propylbenzene	2.896	2.790	3.7	57	0.00
90	TP	1,4-Dichlorobutane	0.626	0.547	12.6	59	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.393	0.366	6.9	63	0.00
92	TP	4-Ethyltoluene	2.420	2.212	8.6	55	0.00
93	TP	2-Chlorotoluene	1.976	1.850	6.4	57	0.00
94	TP	1,3,5-Trimethylbenzene	2.034	1.850	9.0	56	0.00

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A01.D
Acq On : 23 Mar 2022 09:24 am
Operator : VOA122:PD
Sample : WG1619277-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 23 10:07:33 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
95 TP	1,2,3-Trichloropropane	0.323	0.289	10.5	59	0.00
96 TP	trans-1,4-Dichloro-2-butene	0.124	0.096	22.6#	55	0.00
97 TP	4-Chlorotoluene	1.768	1.635	7.5	56	0.00
98 TP	tert-Butylbenzene	1.445	1.201	16.9	52	0.00
101 TP	1,2,4-Trimethylbenzene	1.999	1.809	9.5	56	0.00
102 TP	sec-Butylbenzene	2.569	2.452	4.6	56	0.00
103 TP	p-Isopropyltoluene	2.215	2.042	7.8	55	0.00
104 TP	1,3-Dichlorobenzene	1.184	1.190	-0.5	63	0.00
105 TP	1,4-Dichlorobenzene	1.197	1.199	-0.2	63	0.00
106 TP	p-Diethylbenzene	1.288	1.153	10.5	55	0.00
107 TP	n-Butylbenzene	1.784	1.758	1.5	60	0.00
108 TP	1,2-Dichlorobenzene	1.078	1.050	2.6	61	0.00
109 TP	1,2,4,5-Tetramethylbenzene	1.887	1.541	18.3	50#	0.00
110 TP	1,2-Dibromo-3-chloropropane	0.067	0.057	14.9	57	0.00
111 TP	1,3,5-Trichlorobenzene	0.718	0.729	-1.5	64	0.00
112 TP	Hexachlorobutadiene	0.253	0.296	-17.0	72	0.00
113 TP	1,2,4-Trichlorobenzene	0.627	0.603	3.8	62	0.00
114 TP	Naphthalene	1.420	1.075	24.3#	50#	0.00
115 TP	1,2,3-Trichlorobenzene	0.539	0.520	3.5	64	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 6 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A01.D
Acq On : 23 Mar 2022 09:24 am
Operator : VOA122:PD
Sample : WG1619277-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 23 10:07:33 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.594	96	208471	10.000	ug/L	0.00
Standard Area 1 = 208471			Recovery = 100.00%			
62) Chlorobenzene-d5	9.107	117	173941	10.000	ug/L	0.00
Standard Area 1 = 173941			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	11.908	152	105828	10.000	ug/L	0.00
Standard Area 1 = 105828			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.795	113	67417	10.234	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.34%			
46) 1,2-Dichloroethane-d4	5.314	65	66383	10.274	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.74%			
63) Toluene-d8	7.276	98	209416	9.763	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.63%			
87) 4-Bromofluorobenzene	10.646	95	82247	8.606	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.06%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.442	85	47963	8.723	ug/L #	96
3) Chloromethane	1.623	50	54414	10.499	ug/L	97
4) Vinyl chloride	1.672	62	68716	12.811	ug/L	99
5) Bromomethane	1.951	94	31694	15.131	ug/L	97
6) Chloroethane	2.055	64	59672	17.538	ug/L	97
7) Trichlorofluoromethane	2.188	101	87209	10.996	ug/L	100
8) Ethyl ether	2.460	74	19458	9.087	ug/L #	1
10) 1,1-Dichloroethene	2.641	96	47402	10.769	ug/L	80
11) Carbon disulfide	2.669	76	118407	10.021	ug/L	99
12) Freon-113	2.676	101	51997	11.415	ug/L	95
14) Acrolein	2.941	56	4638	18.712	ug/L	100
15) Methylene chloride	3.157	84	51653	10.351	ug/L #	74
17) Acetone	3.199	43	8672	9.593	ug/L	97
18) trans-1,2-Dichloroethene	3.310	96	52712	11.089	ug/L	88
19) Methyl acetate	3.317	43	20644	10.492	ug/L #	93
21) Methyl tert-butyl ether	3.401	73	73051	8.447	ug/L #	88
22) tert-Butyl alcohol	3.478	59	9350	37.259	ug/L #	87
24) Diisopropyl ether	3.749	45	107882	9.854	ug/L	92
25) 1,1-Dichloroethane	3.868	63	98834	11.197	ug/L	96
26) Halothane	3.917	117	41113	10.839	ug/L	99
27) Acrylonitrile	3.910	53	11411	10.335	ug/L	96

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A01.D
Acq On : 23 Mar 2022 09:24 am
Operator : VOA122:PD
Sample : WG1619277-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 23 10:07:33 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Ethyl tert-butyl ether	4.091	59	89830	8.895	ug/L		92
29) Vinyl acetate	4.098	43	61979	9.982	ug/L	#	89
30) cis-1,2-Dichloroethene	4.370	96	56483	10.536	ug/L	#	85
31) 2,2-Dichloropropane	4.474	77	71753	10.833	ug/L		85
32) Bromochloromethane	4.551	128	26563	10.795	ug/L	#	76
33) Cyclohexane	4.565	56	94475	12.052	ug/L		77
34) Chloroform	4.628	83	94352	10.194	ug/L	#	95
35) Ethyl acetate	4.746	43	25276	8.953	ug/L	#	95
36) Carbon tetrachloride	4.760	117	77627	11.368	ug/L		99
37) Tetrahydrofuran	4.774	42	9877	9.635	ug/L	#	84
39) 1,1,1-Trichloroethane	4.823	97	82414	10.606	ug/L		94
41) 2-Butanone	4.921	43	9862	8.293	ug/L		91
42) 1,1-Dichloropropene	4.948	75	68561	11.134	ug/L		97
44) Benzene	5.181	78	178287	11.028	ug/L		94
45) tert-Amyl methyl ether	5.299	73	67710	7.958	ug/L	#	86
47) 1,2-Dichloroethane	5.380	62	61887	10.696	ug/L		98
50) Methyl cyclohexane	5.764	83	71730	9.930	ug/L	#	77
51) Trichloroethene	5.772	95	47149	10.468	ug/L		96
53) Dibromomethane	6.193	93	18045	10.430	ug/L		87
54) 1,2-Dichloropropane	6.303	63	45898	11.235	ug/L		97
57) Bromodichloromethane	6.377	83	63310	10.327	ug/L		100
60) 1,4-Dioxane	6.590	88	10943	383.189	ug/L	#	71
61) cis-1,3-Dichloropropene	7.062	75	59293	9.904	ug/L	#	90
64) Toluene	7.334	92	116979	10.406	ug/L		99
65) 4-Methyl-2-pentanone	7.776	58	7609	8.222	ug/L	#	78
66) Tetrachloroethene	7.776	166	57847	10.902	ug/L		94
68) trans-1,3-Dichloropropene	7.813	75	48933	8.178	ug/L		90
70) Ethyl methacrylate	8.020	69	28971	7.287	ug/L		89
71) 1,1,2-Trichloroethane	7.990	83	24570	9.533	ug/L		98
72) Chlorodibromomethane	8.196	129	32533	10.947	ug/L		98
73) 1,3-Dichloropropane	8.314	76	52202	9.812	ug/L		98
74) 1,2-Dibromoethane	8.473	107	30148	9.368	ug/L		98
76) 2-Hexanone	8.782	43	12147	6.370	ug/L		91
77) Chlorobenzene	9.123	112	135566	10.455	ug/L		90
78) Ethylbenzene	9.171	91	232745	10.266	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.210	131	41792	9.387	ug/L		97
80) p/m Xylene	9.361	106	187133	20.936	ug/L		98
81) o Xylene	9.908	106	174384	20.399	ug/L		97
82) Styrene	9.972	104	281102	19.929	ug/L		100
84) Bromoform	9.987	173	26526	9.021	ug/L		100

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A01.D
Acq On : 23 Mar 2022 09:24 am
Operator : VOA122:PD
Sample : WG1619277-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 23 10:07:33 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Isopropylbenzene	10.313	105	243871	9.207	ug/L	98
88) Bromobenzene	10.757	156	61331	9.840	ug/L	99
89) n-Propylbenzene	10.820	91	295240	9.632	ug/L	98
90) 1,4-Dichlorobutane	10.828	55	57836	8.730	ug/L	98
91) 1,1,2,2-Tetrachloroethane	10.907	83	38775	9.315	ug/L	97
92) 4-Ethyltoluene	10.955	105	234063	9.138	ug/L	99
93) 2-Chlorotoluene	10.987	91	195737	9.360	ug/L	99
94) 1,3,5-Trimethylbenzene	11.058	105	195777	9.094	ug/L	98
95) 1,2,3-Trichloropropane	11.050	75	30606	8.957	ug/L	98
96) trans-1,4-Dichloro-2-b...	11.114	53	10207M1	7.763	ug/L	
97) 4-Chlorotoluene	11.177	91	173075	9.252	ug/L	99
98) tert-Butylbenzene	11.414	119	127141	8.313	ug/L	99
101) 1,2,4-Trimethylbenzene	11.491	105	191471	9.051	ug/L	100
102) sec-Butylbenzene	11.609	105	259454	9.543	ug/L	98
103) p-Isopropyltoluene	11.769	119	216152	9.221	ug/L	98
104) 1,3-Dichlorobenzene	11.825	146	125911	10.048	ug/L	98
105) 1,4-Dichlorobenzene	11.922	146	126928	10.018	ug/L	99
106) p-Diethylbenzene	12.159	119	121982	8.946	ug/L	99
107) n-Butylbenzene	12.214	91	185995	9.849	ug/L	98
108) 1,2-Dichlorobenzene	12.354	146	111128	9.738	ug/L	98
109) 1,2,4,5-Tetramethylben...	12.966	119	163107	8.169	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.147	155	6047	8.505	ug/L	100
111) 1,3,5-Trichlorobenzene	13.182	180	77164	10.150	ug/L	98
112) Hexachlorobutadiene	13.774	225	31285	11.673	ug/L	98
113) 1,2,4-Trichlorobenzene	13.788	180	63797	9.622	ug/L	99
114) Naphthalene	14.080	128	113767	7.570	ug/L	100
115) 1,2,3-Trichlorobenzene	14.254	180	55048	9.659	ug/L	99

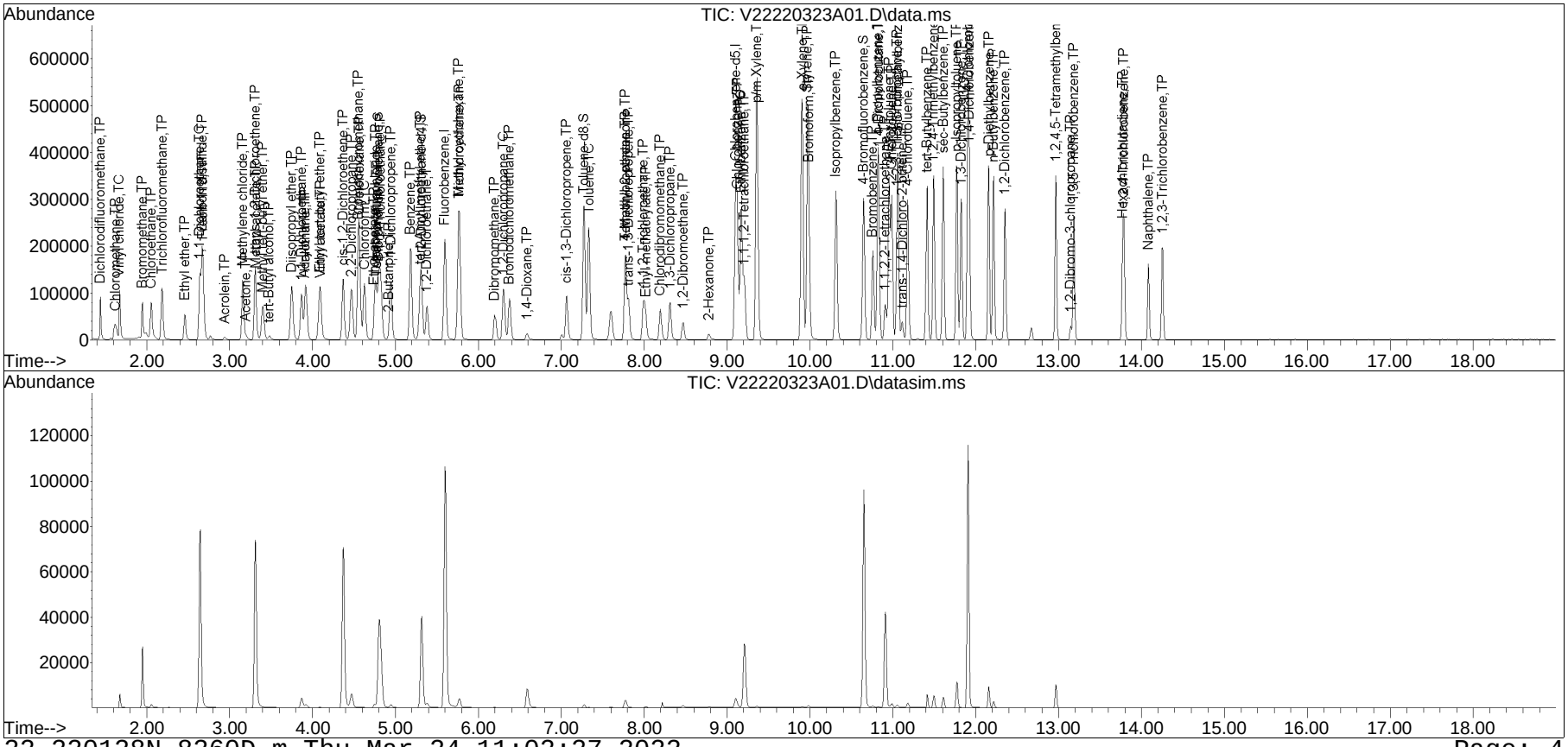
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A01.D
Acq On : 23 Mar 2022 09:24 am
Operator : VOA122:PD
Sample : WG1619277-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 23 10:07:33 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

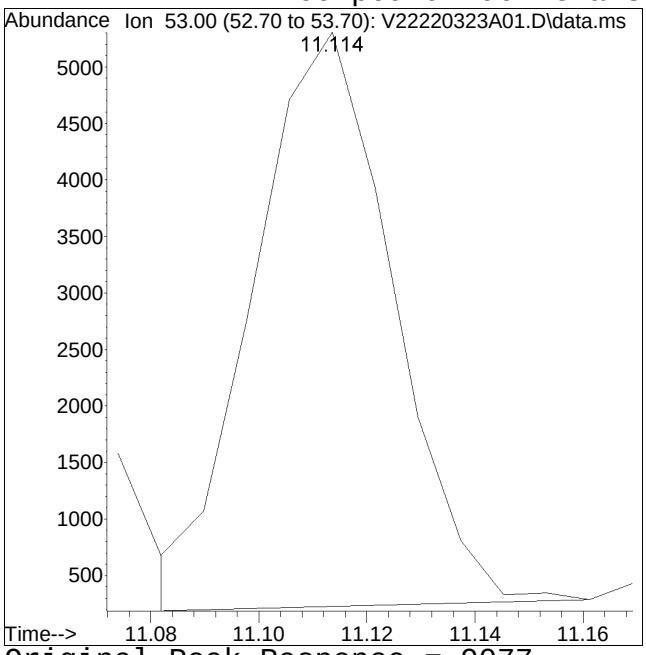
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

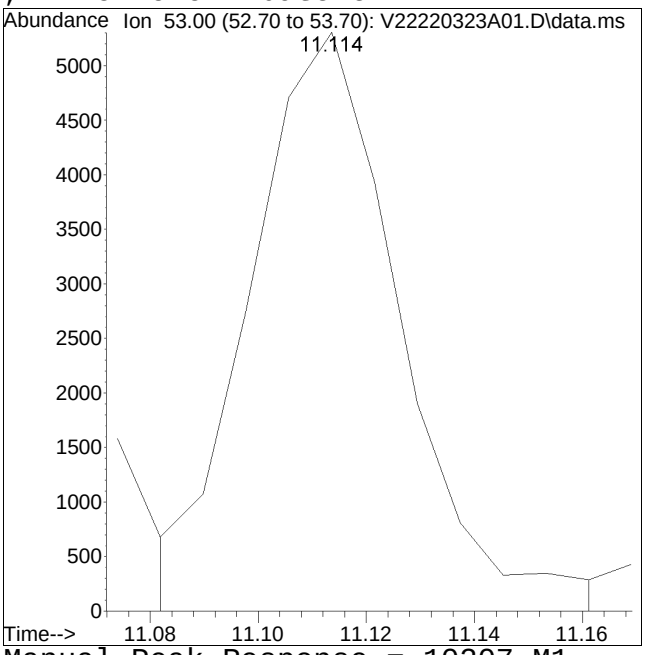


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2022\2QMethod : V122_220128N_8260D.m
Data File : V22220323A01.D Operator : VOA122:PD
Date Inj'd : 3/23/2022 9:24 am Instrument : VOA122
Sample : WG1619277-2 Quant Date : 3/23/2022 10:05 am

Compound #96: trans-1,4-Dichloro-2-butene





Original Peak Response = 9077 Manual Peak Response = 10207 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A01.D
Acq On : 24 Mar 2022 7:02 am
Operator : ELAINE:PD
Sample : WG1619786-2
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:28:01 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	98	0.00
2	TP	Dichlorodifluoromethane	0.159	0.160	-0.6	100	0.00
3	TP	Chloromethane	0.227	0.260	-14.5	117	0.00
4	TC	Vinyl chloride	0.210	0.220	-4.8	111	0.00
5	TP	Bromomethane	0.073	0.101	-38.4#	155	0.00
6	TP	Chloroethane	0.095	0.112	-17.9	114	0.00
7	TP	Trichlorofluoromethane	0.231	0.240	-3.9	108	0.00
8	TP	Ethyl ether	0.084	0.084	0.0	112	0.00
10	TC	1,1-Dichloroethene	0.146	0.144	1.4	102	0.00
11	TP	Carbon disulfide	0.345	0.364	-5.5	110	0.00
12	TP	Freon-113	0.145	0.144	0.7	105	0.00
14	TP	Acrolein	* 10.000	8.611	13.9	86	0.00
15	TP	Methylene chloride	0.183	0.193	-5.5	112	0.00
17	TP	Acetone	0.043	0.046	-7.0	101	0.00
18	TP	trans-1,2-Dichloroethene	0.156	0.166	-6.4	113	0.00
19	TP	Methyl acetate	0.114	0.103	9.6	95	0.00
20	TP	Methyl tert-butyl ether	0.371	0.336	9.4	92	0.00
21	TP	tert-Butyl alcohol	0.00858	0.00722#	15.9	101	-0.01
22	TP	Diisopropyl ether	0.754	0.739	2.0	109	0.00
23	TP	1,1-Dichloroethane	0.347	0.366	-5.5	109	0.00
24	TP	Halothane	0.130	0.135	-3.8	112	0.00
25	TP	Acrylonitrile	0.057	0.052	8.8	86	0.00
26	TP	Ethyl tert-butyl ether	0.533	0.462	13.3	98	0.00
27	TP	Vinyl acetate	* 10.000	8.792	12.1	103	0.00
28	TP	cis-1,2-Dichloroethene	0.180	0.187#	-3.9	109	0.00
29	TP	2,2-Dichloropropane	0.203	0.222	-9.4	120	0.00
30	TP	Bromochloromethane	0.083	0.090#	-8.4	115	0.00
31	TP	Cyclohexane	0.335	0.331	1.2	102	0.00
32	TC	Chloroform	0.294	0.319	-8.5	113	0.00
33	TP	Ethyl acetate	0.136	0.101	25.7#	85	0.00
34	TP	Carbon tetrachloride	0.211	0.215	-1.9	108	0.00
35	TP	Tetrahydrofuran	0.043	0.040	7.0	101	0.00
36	S	Dibromofluoromethane	0.245	0.247	-0.8	98	0.00
37	TP	1,1,1-Trichloroethane	0.240	0.248	-3.3	111	0.00
39	TP	2-Butanone	0.062	0.050	19.4	92	0.00
40	TP	1,1-Dichloropropene	0.214	0.209	2.3	103	0.00
41	TP	Benzene	0.686	0.690	-0.6	103	0.00
42	TP	tert-Amyl methyl ether	* 10.000	8.794	12.1	98	0.00
43	S	1,2-Dichloroethane-d4	0.291	0.281	3.4	94	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A01.D
Acq On : 24 Mar 2022 7:02 am
Operator : ELAINE:PD
Sample : WG1619786-2
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:28:01 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TP	1,2-Dichloroethane	0.236	0.240	-1.7	101	0.00
47	TP	Methyl cyclohexane	0.203	0.194	4.4	107	0.00
48	TP	Trichloroethene	0.167	0.179#	-7.2	117	0.00
50	TP	Dibromomethane	0.089	0.089	0.0	102	0.00
51	TC	1,2-Dichloropropane	0.194	0.211	-8.8	115	0.00
54	TP	Bromodichloromethane	0.219	0.228#	-4.1	110	0.00
57	TP	1,4-Dioxane	0.00094	0.00094#	0.0	100	0.00
58	TP	cis-1,3-Dichloropropene	0.250	0.247#	1.2	112	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
60	S	Toluene-d8	1.311	1.315	-0.3	98	0.00
61	TC	Toluene	0.590	0.619	-4.9	109	0.00
62	TP	4-Methyl-2-pentanone	0.072	0.057	20.8#	92	0.00
63	TP	Tetrachloroethene	0.221	0.230	-4.1	113	0.00
65	TP	trans-1,3-Dichloropropene	* 10.000	9.164	8.4	106	0.00
67	TP	Ethyl methacrylate	0.223	0.189	15.2	94	0.00
68	TP	1,1,2-Trichloroethane	0.149	0.141#	5.4	99	0.00
69	TP	Chlorodibromomethane	0.206	0.199#	3.4	103	0.00
70	TP	1,3-Dichloropropane	0.330	0.330	0.0	105	0.00
71	TP	1,2-Dibromoethane	* 10.000	8.631	13.7	100	0.00
72	TP	2-Hexanone	0.121	0.109	9.9	94	0.00
73	TP	Chlorobenzene	0.627	0.668	-6.5	112	0.00
74	TC	Ethylbenzene	1.036	1.121	-8.2	109	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.206	0.208	-1.0	113	0.00
76	TP	p/m Xylene	0.397	0.431	-8.6	105	0.00
77	TP	o Xylene	0.392	0.428	-9.2	108	0.00
78	TP	Styrene	0.629	0.710	-12.9	109	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
80	TP	Bromoform	0.234	0.215	8.1	102	0.00
82	TP	Isopropylbenzene	1.932	1.996	-3.3	108	0.00
83	S	4-Bromofluorobenzene	0.952	0.946	0.6	95	0.00
84	TP	Bromobenzene	0.495	0.524	-5.9	113	0.00
85	TP	n-Propylbenzene	2.198	2.258	-2.7	106	0.00
86	TP	1,4-Dichlorobutane	0.792	0.787	0.6	101	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.398	0.368	7.5	95	0.00
88	TP	4-Ethyltoluene	1.819	1.915	-5.3	109	0.00
89	TP	2-Chlorotoluene	1.641	1.720	-4.8	109	0.00
90	TP	1,3,5-Trimethylbenzene	1.546	1.657	-7.2	109	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A01.D
Acq On : 24 Mar 2022 7:02 am
Operator : ELAINE:PD
Sample : WG1619786-2
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:28:01 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
91 TP	1,2,3-Trichloropropane		0.340	0.322	5.3	98	0.00
92 TP	trans-1,4-Dichloro-2-butene		0.141	0.133	5.7	93	0.00
93 TP	4-Chlorotoluene		1.503	1.606	-6.9	109	0.00
94 TP	tert-Butylbenzene		1.239	1.286	-3.8	108	0.00
97 TP	1,2,4-Trimethylbenzene		1.578	1.657	-5.0	110	0.00
98 TP	sec-Butylbenzene		1.642	1.677	-2.1	107	0.00
99 TP	p-Isopropyltoluene	*	10.000	9.522	4.8	109	0.00
100 TP	1,3-Dichlorobenzene		0.889	0.981	-10.3	113	0.00
101 TP	1,4-Dichlorobenzene		0.901	1.001	-11.1	116	0.00
102 TP	p-Diethylbenzene		0.827	0.776	6.2	108	0.00
103 TP	n-Butylbenzene	*	10.000	9.308	6.9	107	0.00
104 TP	1,2-Dichlorobenzene		0.863	0.915	-6.0	110	0.00
105 TP	1,2,4,5-Tetramethylbenzene		1.317	1.199	9.0	107	0.00
106 TP	1,2-Dibromo-3-chloropropane	*	10.000	8.325	16.8	88	0.00
107 TP	1,3,5-Trichlorobenzene		0.473	0.507	-7.2	115	0.00
108 TP	Hexachlorobutadiene	*	10.000	10.448	-4.5	120	0.00
109 TP	1,2,4-Trichlorobenzene		0.482	0.464	3.7	112	0.00
110 TP	Naphthalene	*	10.000	8.275	17.2	92	0.00
111 TP	1,2,3-Trichlorobenzene		0.443	0.424	4.3	106	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 9 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A01.D
Acq On : 24 Mar 2022 7:02 am
Operator : ELAINE:PD
Sample : WG1619786-2
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:28:01 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.312	96	180008	10.000	ug/L	0.00
Standard Area 1 = 180008			Recovery = 100.00%			
59) Chlorobenzene-d5	8.386	117	131992	10.000	ug/L	0.00
Standard Area 1 = 131992			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	9.894	152	68168	10.000	ug/L	0.00
Standard Area 1 = 68168			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.296	113	44395	10.058	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.58%			
43) 1,2-Dichloroethane-d4	4.961	65	50667	9.672	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.72%			
60) Toluene-d8	7.042	98	173533	10.030	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.30%			
83) 4-Bromofluorobenzene	9.221	95	64457	9.932	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.32%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.896	85	28714	10.018	ug/L	97
3) Chloromethane	1.013	50	46713	11.457	ug/L	97
4) Vinyl chloride	1.060	62	39600	10.497	ug/L	99
5) Bromomethane	1.255	94	18190	13.752	ug/L	99
6) Chloroethane	1.330	64	20099	11.722	ug/L	97
7) Trichlorofluoromethane	1.422	101	43215	10.409	ug/L	98
8) Ethyl ether	1.642	74	15065	9.934	ug/L	89
10) 1,1-Dichloroethene	1.767	96	25966	9.848	ug/L	93
11) Carbon disulfide	1.773	76	65547	10.551	ug/L	100
12) Freon-113	1.806	101	25879	9.909	ug/L	90
14) Acrolein	2.034	56	3410	8.611	ug/L	91
15) Methylene chloride	2.229	84	34656	10.522	ug/L	90
17) Acetone	2.282	43	8223	10.554	ug/L	94
18) trans-1,2-Dichloroethene	2.365	96	29803	10.597	ug/L	89
19) Methyl acetate	2.404	43	18610	9.032	ug/L #	91
20) Methyl tert-butyl ether	2.477	73	60488	9.048	ug/L #	88
21) tert-Butyl alcohol	2.618	59	6502	42.115	ug/L #	42
22) Diisopropyl ether	2.877	45	132981	9.800	ug/L	95
23) 1,1-Dichloroethane	2.966	63	65905	10.546	ug/L	97
24) Halothane	3.108	117	24389	10.395	ug/L	99
25) Acrylonitrile	3.041	53	9301	9.035	ug/L	98

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A01.D
Acq On : 24 Mar 2022 7:02 am
Operator : ELAINE:PD
Sample : WG1619786-2
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:28:01 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	3.297	59	83143	8.660	ug/L		85
27) Vinyl acetate	3.311	43	65033	8.792	ug/L	#	95
28) cis-1,2-Dichloroethene	3.617	96	33603	10.357	ug/L		86
29) 2,2-Dichloropropane	3.745	77	40021	10.969	ug/L	#	64
30) Bromochloromethane	3.884	128	16111	10.829	ug/L		90
31) Cyclohexane	3.837	56	59595	9.881	ug/L		96
32) Chloroform	4.046	83	57433	10.869	ug/L		98
33) Ethyl acetate	4.293	43	18174M4	7.449	ug/L		
34) Carbon tetrachloride	4.163	117	38775	10.221	ug/L		99
35) Tetrahydrofuran	4.240	42	7268	9.380	ug/L	#	78
37) 1,1,1-Trichloroethane	4.265	97	44562	10.326	ug/L	#	96
39) 2-Butanone	4.499	43	8931M4	7.959	ug/L		
40) 1,1-Dichloropropene	4.446	75	37681	9.770	ug/L		98
41) Benzene	4.769	78	124292	10.059	ug/L		98
42) tert-Amyl methyl ether	4.997	73	57207	8.794	ug/L	#	80
44) 1,2-Dichloroethane	5.045	62	43157	10.147	ug/L		98
47) Methyl cyclohexane	5.462	83	34905	9.569	ug/L		97
48) Trichloroethene	5.509	95	32310	10.739	ug/L		90
50) Dibromomethane	5.971	93	16060	9.979	ug/L		92
51) 1,2-Dichloropropane	6.085	63	38030	10.862	ug/L	#	92
54) Bromodichloromethane	6.199	83	41026	10.416	ug/L		97
57) 1,4-Dioxane	6.427	88	8456	497.734	ug/L		95
58) cis-1,3-Dichloropropene	6.867	75	44550	9.892	ug/L		94
61) Toluene	7.092	92	81736	10.497	ug/L		96
62) 4-Methyl-2-pentanone	7.526	58	7569	8.012	ug/L	#	73
63) Tetrachloroethene	7.460	166	30295	10.370	ug/L		89
65) trans-1,3-Dichloropropene	7.543	75	33501	9.164	ug/L		85
67) Ethyl methacrylate	7.738	69	24930	8.477	ug/L		97
68) 1,1,2-Trichloroethane	7.676	83	18639	9.488	ug/L		95
69) Chlorodibromomethane	7.816	129	26219	9.644	ug/L		94
70) 1,3-Dichloropropane	7.894	76	43591	10.016	ug/L		99
71) 1,2-Dibromoethane	7.974	107	20622	8.631	ug/L		95
72) 2-Hexanone	8.230	43	14368	8.988	ug/L	#	91
73) Chlorobenzene	8.397	112	88110	10.642	ug/L		93
74) Ethylbenzene	8.439	91	147906	10.821	ug/L		98
75) 1,1,1,2-Tetrachloroethane	8.458	131	27391	10.065	ug/L		94
76) p/m Xylene	8.547	106	113676	21.687	ug/L		99
77) o Xylene	8.837	106	112998	21.843	ug/L		93
78) Styrene	8.876	104	187312	22.568	ug/L		91
80) Bromoform	8.881	173	14642	9.197	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A01.D
Acq On : 24 Mar 2022 7:02 am
Operator : ELAINE:PD
Sample : WG1619786-2
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:28:01 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Isopropylbenzene	9.051	105	136035	10.331	ug/L	97
84) Bromobenzene	9.274	156	35730	10.588	ug/L	95
85) n-Propylbenzene	9.312	91	153919	10.271	ug/L	97
86) 1,4-Dichlorobutane	9.321	55	53635	9.934	ug/L	91
87) 1,1,2,2-Tetrachloroethane	9.374	83	25074	9.239	ug/L	95
88) 4-Ethyltoluene	9.382	105	130570	10.527	ug/L	98
89) 2-Chlorotoluene	9.396	91	117275	10.485	ug/L	94
90) 1,3,5-Trimethylbenzene	9.438	105	112948	10.714	ug/L	93
91) 1,2,3-Trichloropropane	9.438	75	21919	9.461	ug/L	95
92) trans-1,4-Dichloro-2-b...	9.474	53	9036M4	9.390	ug/L	
93) 4-Chlorotoluene	9.499	91	109479	10.687	ug/L	95
94) tert-Butylbenzene	9.624	119	87646	10.381	ug/L	98
97) 1,2,4-Trimethylbenzene	9.669	105	112926	10.500	ug/L	95
98) sec-Butylbenzene	9.730	105	114316	10.212	ug/L	100
99) p-Isopropyltoluene	9.819	119	96829	9.522	ug/L	96
100) 1,3-Dichlorobenzene	9.849	146	66901	11.043	ug/L	97
101) 1,4-Dichlorobenzene	9.902	146	68239	11.108	ug/L	98
102) p-Diethylbenzene	10.030	119	52914	9.389	ug/L	96
103) n-Butylbenzene	10.061	91	73529	9.308	ug/L	98
104) 1,2-Dichlorobenzene	10.144	146	62360	10.604	ug/L	98
105) 1,2,4,5-Tetramethylben...	10.487	119	81749	9.106	ug/L	96
106) 1,2-Dibromo-3-chloropr...	10.601	155	2979	8.325	ug/L	85
107) 1,3,5-Trichlorobenzene	10.615	180	34594	10.723	ug/L	92
108) Hexachlorobutadiene	10.960	225	10010	10.448	ug/L	95
109) 1,2,4-Trichlorobenzene	10.973	180	31610	9.626	ug/L	99
110) Naphthalene	11.154	128	70040	8.275	ug/L	100
111) 1,2,3-Trichlorobenzene	11.254	180	28893	9.564	ug/L	99

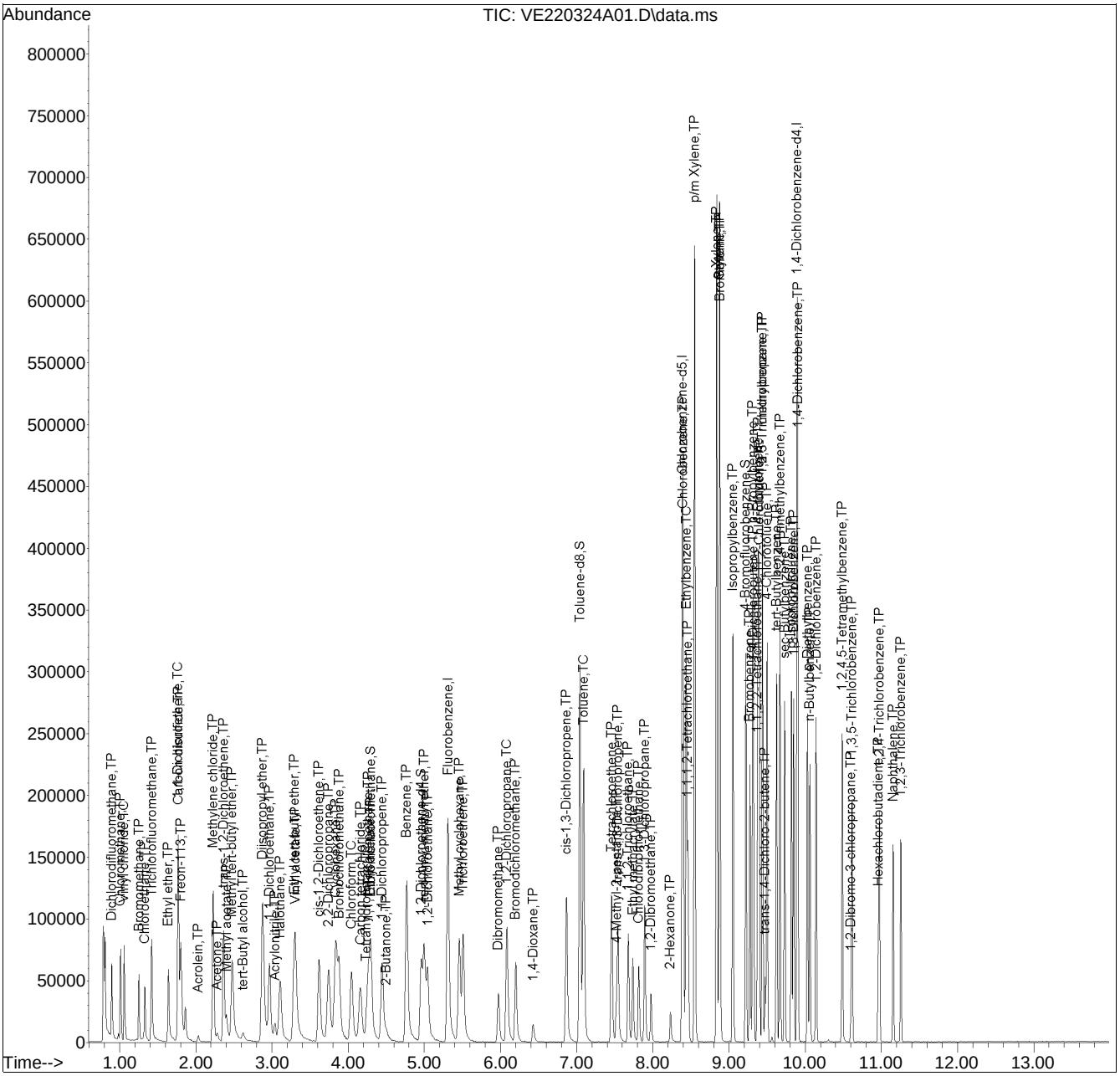
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A01.D
Acq On : 24 Mar 2022 7:02 am
Operator : ELAINE:PD
Sample : WG1619786-2
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:28:01 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

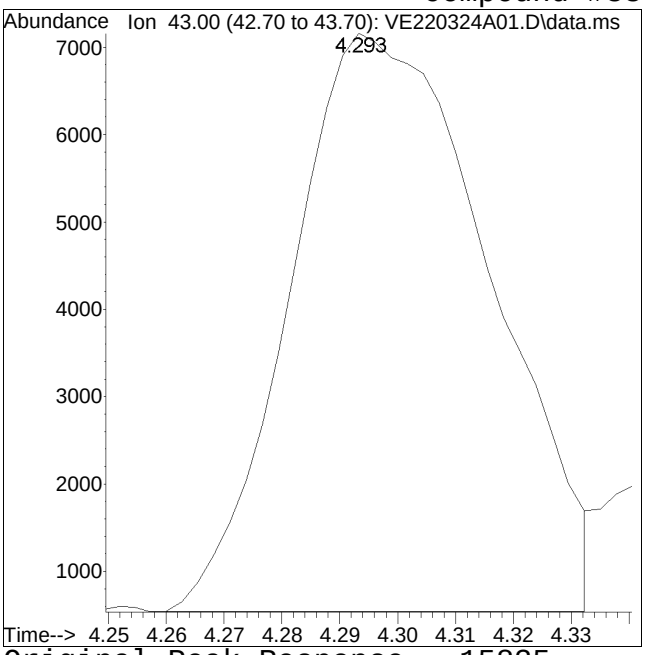


Manual Integration Report

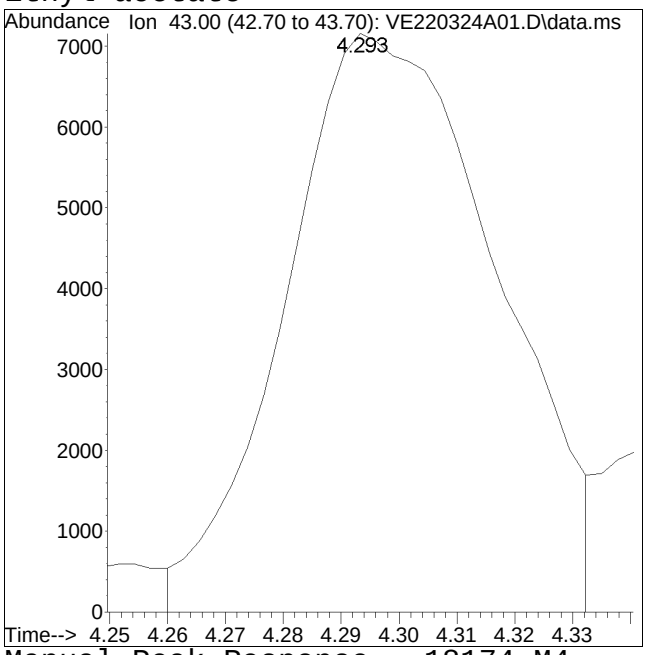
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220324A01.D
Date Inj'd : 3/24/2022 7:02 am
Sample : WG1619786-2

Method : Elaine_220316N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 3/24/2022 7:24 am

Compound #33: Ethyl acetate



Original Peak Response = 15835



Manual Peak Response = 18174 M4

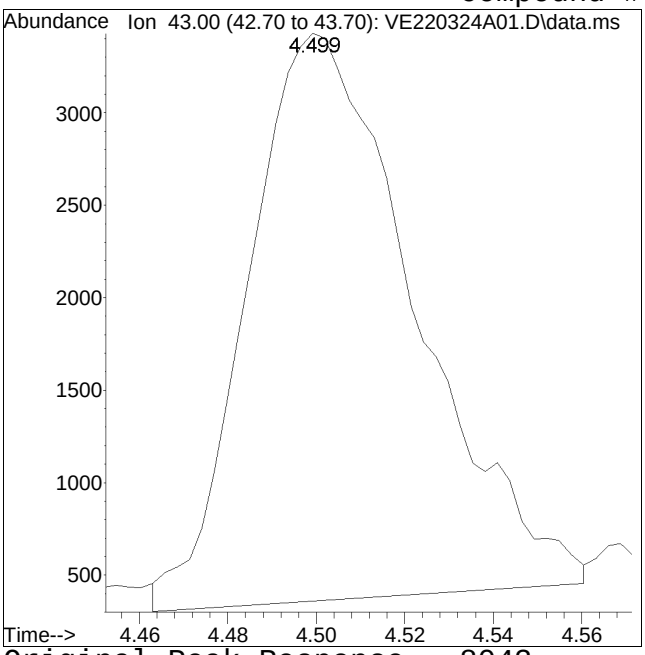
M4 = Poor automated baseline construction.

Manual Integration Report

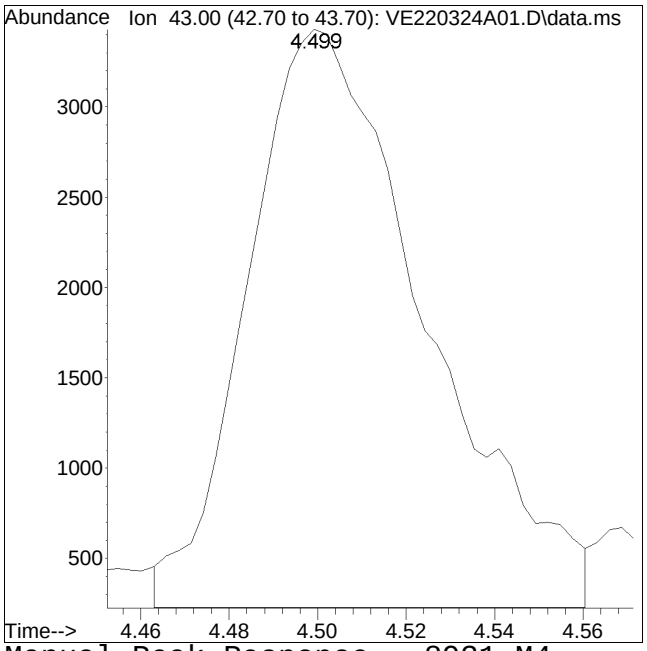
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220324A01.D
Date Inj'd : 3/24/2022 7:02 am
Sample : WG1619786-2

Method : Elaine_220316N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 3/24/2022 7:24 am

Compound #39: 2-Butanone



Original Peak Response = 8043



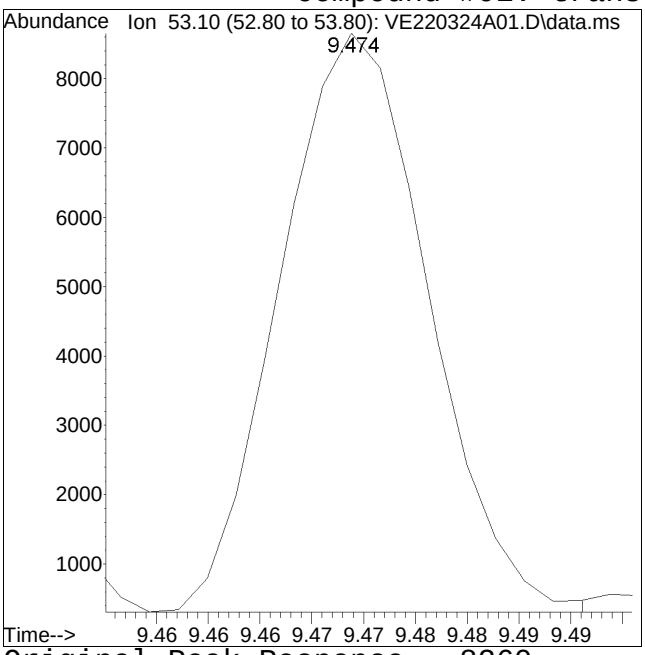
Manual Peak Response = 8931 M4

M4 = Poor automated baseline construction.

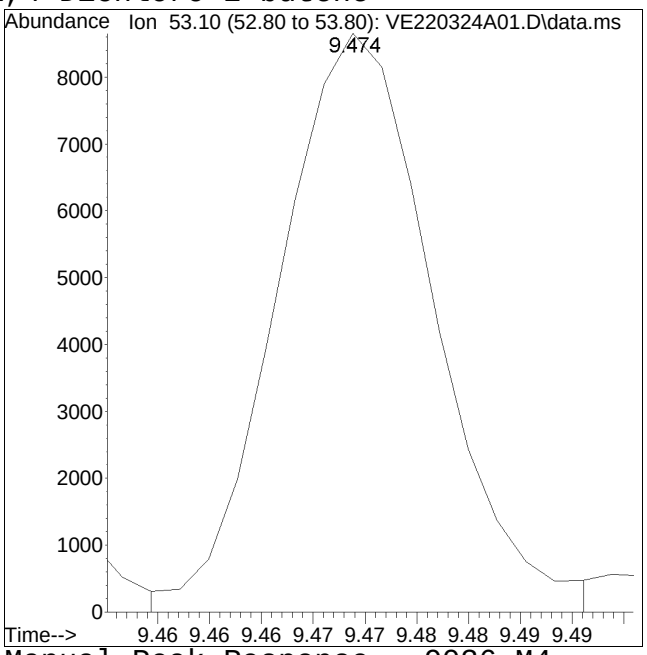
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220324A01.D Operator : ELAINE:PD
Date Inj'd : 3/24/2022 7:02 am Instrument : Elaine
Sample : WG1619786-2 Quant Date : 3/24/2022 7:24 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 8260



Manual Peak Response = 9036 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A01.d
Acq On : 24 Mar 2022 7:04 am
Operator : VOA105:PD
Sample : WG1619815-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:30:07 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	61	0.00
2	TP	Dichlorodifluoromethane	0.216	0.245	-13.4	75	0.00
3	TP	Chloromethane	0.375	0.304	18.9	51	0.00
4	TC	Vinyl chloride	0.272	0.283	-4.0	66	0.00
5	TP	Bromomethane	0.134	0.150	-11.9	84	0.00
6	TP	Chloroethane	0.163	0.176	-8.0	69	0.00
7	TP	Trichlorofluoromethane	0.319	0.437	-37.0#	92	0.00
8	TP	Ethyl ether	0.084	0.085	-1.2	65	0.00
10	TC	1,1-Dichloroethene	0.186	0.222	-19.4	75	0.00
11	TP	Carbon disulfide	0.539	0.530	1.7	65	0.00
12	TP	Freon-113	0.197	0.238	-20.8#	79	0.00
14	TP	Acrolein	0.030	0.026	13.3	62	0.00
15	TP	Methylene chloride	0.227	0.239	-5.3	67	0.00
17	TP	Acetone	0.047	0.038	19.1	57	0.00
18	TP	trans-1,2-Dichloroethene	0.216	0.246	-13.9	74	0.00
19	TP	Methyl acetate	0.132	0.104	21.2#	53	0.00
20	TP	Methyl tert-butyl ether	0.434	0.467	-7.6	71	0.00
21	TP	tert-Butyl alcohol	0.00889	0.00962#	-8.2	67	0.00
22	TP	Diisopropyl ether	0.998	0.910	8.8	59	0.00
23	TP	1,1-Dichloroethane	0.499	0.533	-6.8	67	0.00
24	TP	Halothane	0.163	0.189	-16.0	74	0.00
25	TP	Acrylonitrile	0.067	0.059	11.9	57	0.00
26	TP	Ethyl tert-butyl ether	0.731	0.731	0.0	67	0.00
27	TP	Vinyl acetate	0.507	0.456	10.1	64	0.00
28	TP	cis-1,2-Dichloroethene	0.247	0.272	-10.1	71	0.00
29	TP	2,2-Dichloropropane	0.323	0.442	-36.8#	90	0.00
30	TP	Bromochloromethane	0.107	0.124	-15.9	72	0.00
31	TP	Cyclohexane	0.568	0.605	-6.5	69	0.00
32	TC	Chloroform	0.418	0.506	-21.1#	78	0.00
33	TP	Ethyl acetate	0.183	0.149	18.6	55	0.00
34	TP	Carbon tetrachloride	0.316	0.420	-32.9#	89	0.00
35	TP	Tetrahydrofuran	0.057	0.046	19.3	53	0.00
36	S	Dibromofluoromethane	0.260	0.289	-11.2	68	0.00
37	TP	1,1,1-Trichloroethane	0.360	0.464	-28.9#	82	0.00
39	TP	2-Butanone	0.079	0.064	19.0	58	0.00
40	TP	1,1-Dichloropropene	0.307	0.355	-15.6	76	0.00
41	TP	Benzene	0.891	0.935	-4.9	67	0.00
42	TP	tert-Amyl methyl ether	0.449	0.472	-5.1	71	0.00
43	S	1,2-Dichloroethane-d4	0.343	0.387	-12.8	66	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A01.d
Acq On : 24 Mar 2022 7:04 am
Operator : VOA105:PD
Sample : WG1619815-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:30:07 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TP	1,2-Dichloroethane	0.350	0.402	-14.9	74	0.00
47	TP	Methyl cyclohexane	0.402	0.439	-9.2	75	0.00
48	TP	Trichloroethene	0.256	0.264	-3.1	74	0.00
50	TP	Dibromomethane	0.118	0.131	-11.0	72	0.00
51	TC	1,2-Dichloropropane	0.279	0.287	-2.9	65	0.00
54	TP	Bromodichloromethane	0.300	0.375	-25.0#	82	0.00
57	TP	1,4-Dioxane	0.00092	0.00085#	7.6	58	0.00
58	TP	cis-1,3-Dichloropropene	* 10.000	10.427	-4.3	79	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	63	0.00
60	S	Toluene-d8	1.306	1.314	-0.6	63	0.00
61	TC	Toluene	0.752	0.835	-11.0	73	0.00
62	TP	4-Methyl-2-pentanone	0.084	0.076	9.5	62	0.00
63	TP	Tetrachloroethene	0.334	0.403	-20.7#	81	0.00
65	TP	trans-1,3-Dichloropropene	* 10.000	11.479	-14.8	87	0.00
67	TP	Ethyl methacrylate	0.257	0.259	-0.8	67	0.00
68	TP	1,1,2-Trichloroethane	0.179	0.189#	-5.6	68	0.00
69	TP	Chlorodibromomethane	0.271	0.332	-22.5#	84	0.00
70	TP	1,3-Dichloropropane	0.424	0.463	-9.2	71	0.00
71	TP	1,2-Dibromoethane	* 10.000	10.721	-7.2	76	0.00
72	TP	2-Hexanone	0.150	0.129	14.0	58	0.00
73	TP	Chlorobenzene	0.836	0.975	-16.6	77	0.00
74	TC	Ethylbenzene	1.492	1.736	-16.4	76	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.289	0.363	-25.6#	86	0.00
76	TP	p/m Xylene	0.556	0.659	-18.5	76	0.00
77	TP	o Xylene	0.531	0.630	-18.6	76	0.00
78	TP	Styrene	0.868	1.016	-17.1	74	-0.01
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	64	0.00
80	TP	Bromoform	* 10.000	11.021	-10.2	85	0.00
82	TP	Isopropylbenzene	2.788	3.195	-14.6	79	0.00
83	S	4-Bromofluorobenzene	0.905	0.892	1.4	64	0.00
84	TP	Bromobenzene	0.621	0.720	-15.9	80	0.00
85	TP	n-Propylbenzene	3.195	3.684	-15.3	79	0.00
86	TP	1,4-Dichlorobutane	0.972	0.976	-0.4	69	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.433	0.422	2.5	68	0.00
88	TP	4-Ethyltoluene	2.658	3.166	-19.1	81	0.00
89	TP	2-Chlorotoluene	1.944	2.266	-16.6	81	0.00
90	TP	1,3,5-Trimethylbenzene	2.325	2.700	-16.1	80	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A01.d
Acq On : 24 Mar 2022 7:04 am
Operator : VOA105:PD
Sample : WG1619815-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:30:07 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 TP	1,2,3-Trichloropropane	0.381	0.379	0.5	71	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.167	0.164	1.8	73	0.00
93 TP	4-Chlorotoluene	2.025	2.368	-16.9	80	0.00
94 TP	tert-Butylbenzene	2.000	2.326	-16.3	79	0.00
97 TP	1,2,4-Trimethylbenzene	2.267	2.675	-18.0	81	0.00
98 TP	sec-Butylbenzene	2.850	3.317	-16.4	79	0.00
99 TP	p-Isopropyltoluene	2.457	2.942	-19.7	82	0.00
100 TP	1,3-Dichlorobenzene	1.212	1.407	-16.1	79	0.00
101 TP	1,4-Dichlorobenzene	1.227	1.450	-18.2	81	0.00
102 TP	p-Diethylbenzene	1.392	1.702	-22.3#	85	0.00
103 TP	n-Butylbenzene	2.022	2.370	-17.2	82	0.00
104 TP	1,2-Dichlorobenzene	1.093	1.258	-15.1	78	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.033	2.457	-20.9#	83	0.00
106 TP	1,2-Dibromo-3-chloropropane *	10.000	9.553	4.5	78	0.00
107 TP	1,3,5-Trichlorobenzene	0.772	0.919	-19.0	82	0.00
108 TP	Hexachlorobutadiene	0.312	0.382	-22.4#	86	0.00
109 TP	1,2,4-Trichlorobenzene	0.632	0.714	-13.0	80	0.00
110 TP	Naphthalene	1.206	1.243	-3.1	75	0.00
111 TP	1,2,3-Trichlorobenzene	0.524	0.575	-9.7	77	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 3 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A01.d
Acq On : 24 Mar 2022 7:04 am
Operator : VOA105:PD
Sample : WG1619815-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:30:07 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.860	96	325636	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.373	117	250615	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.106	152	144196	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	94072	11.090	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.90%			
43) 1,2-Dichloroethane-d4	5.587	65	126108	11.298	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.98%			
60) Toluene-d8	7.533	98	329348	10.064	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.64%			
83) 4-Bromofluorobenzene	10.881	95	128642	9.853	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.53%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.576	85	79661	11.344	ug/L #	96
3) Chloromethane	1.762	50	98910	8.089	ug/L	96
4) Vinyl chloride	1.840	62	92076	10.389	ug/L	93
5) Bromomethane	2.134	94	48777	11.164	ug/L	97
6) Chloroethane	2.251	64	57422	10.839	ug/L	93
7) Trichlorofluoromethane	2.378	101	142342	13.683	ug/L	95
8) Ethyl ether	2.662	74	27770	10.153	ug/L #	40
10) 1,1-Dichloroethene	2.848	96	72230	11.916	ug/L #	72
11) Carbon disulfide	2.877	76	172582	9.831	ug/L	100
12) Freon-113	2.887	101	77467	12.053	ug/L	93
14) Acrolein	3.180	56	8562	8.724	ug/L	98
15) Methylene chloride	3.396	84	77767	10.543	ug/L #	48
17) Acetone	3.454	43	12409	8.030	ug/L #	82
18) trans-1,2-Dichloroethene	3.542	96	80109	11.393	ug/L	78
19) Methyl acetate	3.562	43	33809	7.895	ug/L #	82
20) Methyl tert-butyl ether	3.630	73	151976	10.744	ug/L #	82
21) tert-Butyl alcohol	3.738	59	15669	54.134	ug/L	96
22) Diisopropyl ether	3.982	45	296295	9.114	ug/L #	87
23) 1,1-Dichloroethane	4.119	63	173603	10.693	ug/L	94
24) Halothane	4.168	117	61527	11.569	ug/L	99
25) Acrylonitrile	4.178	53	19310	8.897	ug/L	89
26) Ethyl tert-butyl ether	4.315	59	237923	9.989	ug/L	85
27) Vinyl acetate	4.354	43	148463	8.989	ug/L #	91
28) cis-1,2-Dichloroethene	4.628	96	88698	11.044	ug/L #	80
29) 2,2-Dichloropropane	4.716	77	143925	13.704	ug/L	85

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A01.d
Acq On : 24 Mar 2022 7:04 am
Operator : VOA105:PD
Sample : WG1619815-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:30:07 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Bromochloromethane	4.824	128	40463	11.649	ug/L	#	66
31) Cyclohexane	4.804	56	196895	10.636	ug/L	#	59
32) Chloroform	4.892	83	164753	12.094	ug/L	#	93
33) Ethyl acetate	5.000	43	48433	8.119	ug/L	#	92
34) Carbon tetrachloride	5.009	117	136619	13.266	ug/L		99
35) Tetrahydrofuran	5.039	42	14916M6	7.976	ug/L		
37) 1,1,1-Trichloroethane	5.078	97	151160	12.890	ug/L		95
39) 2-Butanone	5.186	43	20823	8.143	ug/L	#	67
40) 1,1-Dichloropropene	5.195	75	115756	11.583	ug/L		99
41) Benzene	5.440	78	304362	10.492	ug/L	#	84
42) tert-Amyl methyl ether	5.538	73	153671	10.514	ug/L		89
44) 1,2-Dichloroethane	5.655	62	130864	11.489	ug/L		98
47) Methyl cyclohexane	6.007	83	142798	10.909	ug/L	#	45
48) Trichloroethene	6.036	95	85896	10.295	ug/L		95
50) Dibromomethane	6.477	93	42514	11.088	ug/L		94
51) 1,2-Dichloropropane	6.574	63	93597	10.287	ug/L	#	89
54) Bromodichloromethane	6.653	83	122166	12.521	ug/L		99
57) 1,4-Dioxane	6.868	88	13908	463.115	ug/L	#	54
58) cis-1,3-Dichloropropene	7.337	75	123014	10.427	ug/L	#	84
61) Toluene	7.592	92	209348	11.106	ug/L		100
62) 4-Methyl-2-pentanone	8.032	58	19048	9.075	ug/L	#	84
63) Tetrachloroethene	8.032	166	100992	12.057	ug/L		95
65) trans-1,3-Dichloropropene	8.090	75	105269	11.479	ug/L		82
67) Ethyl methacrylate	8.266	69	64857	10.082	ug/L		99
68) 1,1,2-Trichloroethane	8.266	83	47319	10.566	ug/L		98
69) Chlorodibromomethane	8.482	129	83107	12.259	ug/L		98
70) 1,3-Dichloropropane	8.589	76	116141	10.927	ug/L		99
71) 1,2-Dibromoethane	8.756	107	65855	10.721	ug/L		98
72) 2-Hexanone	9.040	43	32377	8.619	ug/L		97
73) Chlorobenzene	9.392	112	244264	11.652	ug/L		94
74) Ethylbenzene	9.422	91	435081	11.633	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.480	131	91030	12.570	ug/L		100
76) p/m Xylene	9.608	106	330310	23.697	ug/L		94
77) o Xylene	10.156	106	315690	23.717	ug/L		94
78) Styrene	10.225	104	509135	23.404	ug/L		98
80) Bromoform	10.264	173	45097	11.021	ug/L		99
82) Isopropylbenzene	10.548	105	460702	11.460	ug/L		99
84) Bromobenzene	10.999	156	103856	11.602	ug/L		98
85) n-Propylbenzene	11.038	91	531194	11.531	ug/L		97
86) 1,4-Dichlorobutane	11.067	55	140714	10.043	ug/L		93
87) 1,1,2,2-Tetrachloroethane	11.146	83	60880	9.744	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A01.d
Acq On : 24 Mar 2022 7:04 am
Operator : VOA105:PD
Sample : WG1619815-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:30:07 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
88) 4-Ethyltoluene	11.165	105	456475	11.909	ug/L		99
89) 2-Chlorotoluene	11.205	91	326785M6	11.659	ug/L		
90) 1,3,5-Trimethylbenzene	11.263	105	389292	11.613	ug/L		98
91) 1,2,3-Trichloropropane	11.283	75	54674M1	9.958	ug/L		
92) trans-1,4-Dichloro-2-b...	11.332	53	23625	9.828	ug/L	#	85
93) 4-Chlorotoluene	11.391	91	341462	11.695	ug/L		98
94) tert-Butylbenzene	11.606	119	335464	11.634	ug/L		92
97) 1,2,4-Trimethylbenzene	11.685	105	385791	11.803	ug/L		100
98) sec-Butylbenzene	11.792	105	478265	11.638	ug/L		100
99) p-Isopropyltoluene	11.949	119	424260	11.973	ug/L		98
100) 1,3-Dichlorobenzene	12.027	146	202861	11.609	ug/L		99
101) 1,4-Dichlorobenzene	12.125	146	209151	11.817	ug/L		98
102) p-Diethylbenzene	12.331	119	245403	12.227	ug/L		97
103) n-Butylbenzene	12.390	91	341778	11.720	ug/L		98
104) 1,2-Dichlorobenzene	12.547	146	181327	11.507	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.125	119	354239	12.083	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.330	155	9304	9.553	ug/L		99
107) 1,3,5-Trichlorobenzene	13.360	180	132492	11.903	ug/L		99
108) Hexachlorobutadiene	13.928	225	55090	12.233	ug/L		98
109) 1,2,4-Trichlorobenzene	13.957	180	102897	11.291	ug/L		96
110) Naphthalene	14.251	128	179209	10.305	ug/L		100
111) 1,2,3-Trichlorobenzene	14.418	180	82933	10.969	ug/L		99

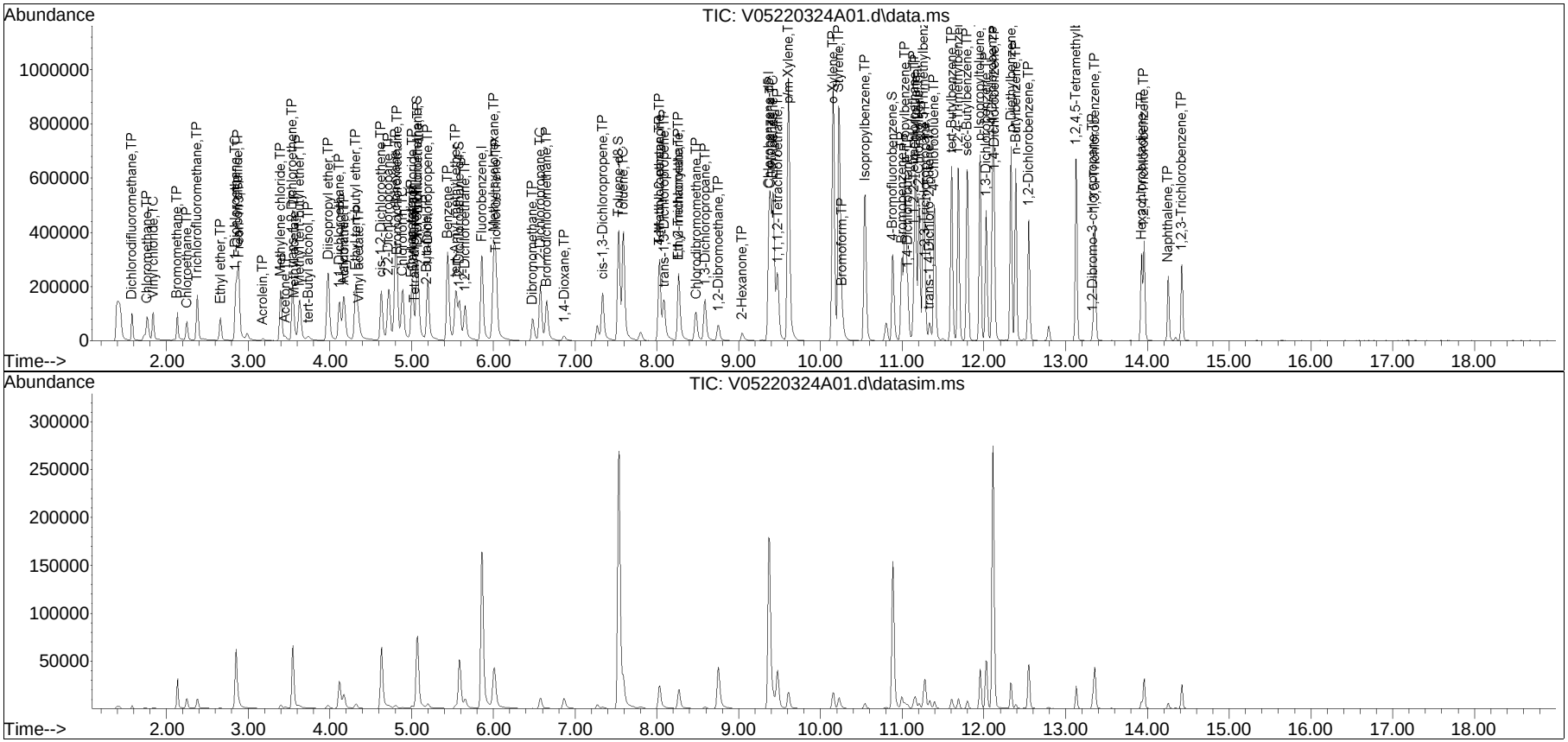
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A01.d
Acq On : 24 Mar 2022 7:04 am
Operator : VOA105:PD
Sample : WG1619815-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:30:07 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

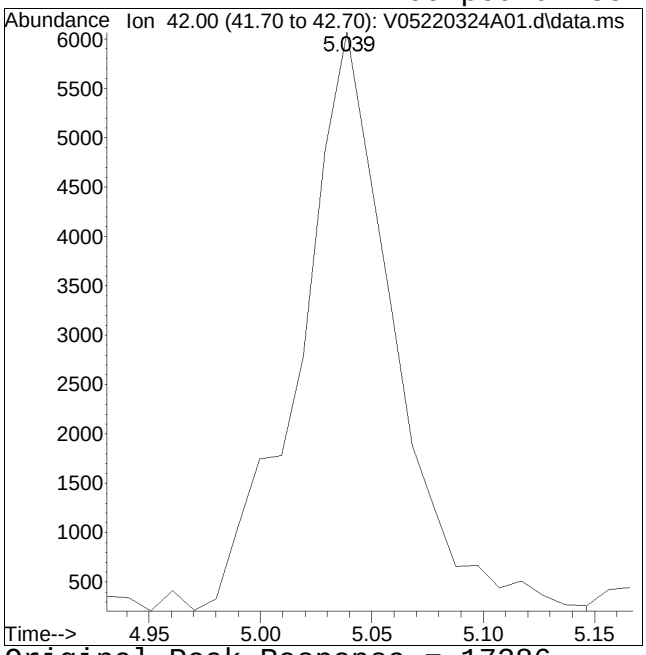
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



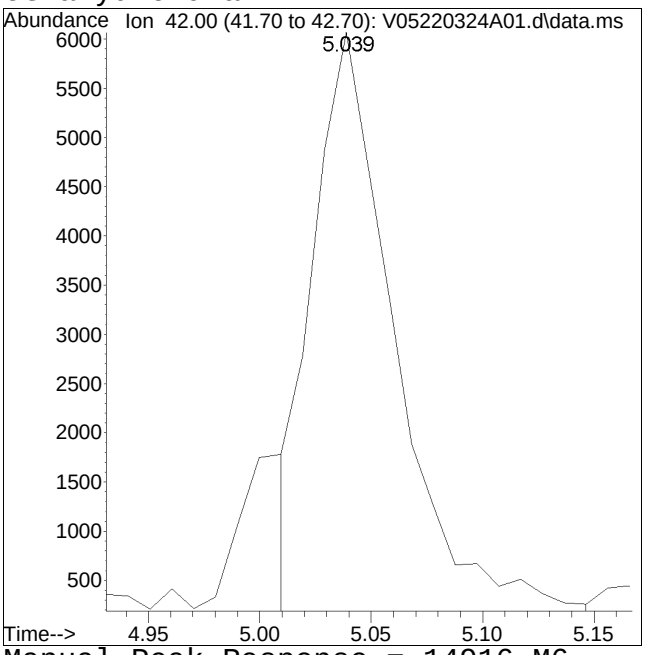
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220324A01.d Operator : VOA105:PD
Date Inj'd : 3/24/2022 7:04 am Instrument : VOA 105
Sample : WG1619815-2 Quant Date : 3/24/2022 7:28 am

Compound #35: Tetrahydrofuran



Original Peak Response = 17286



Manual Peak Response = 14916 M6

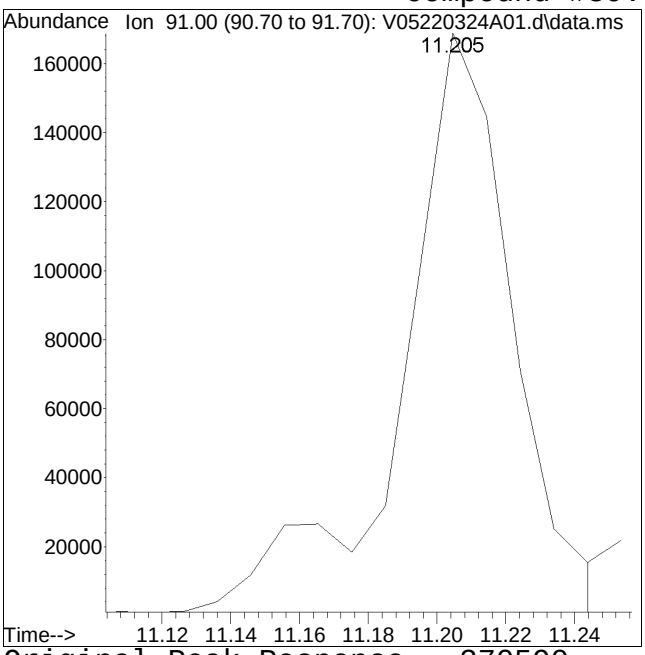
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

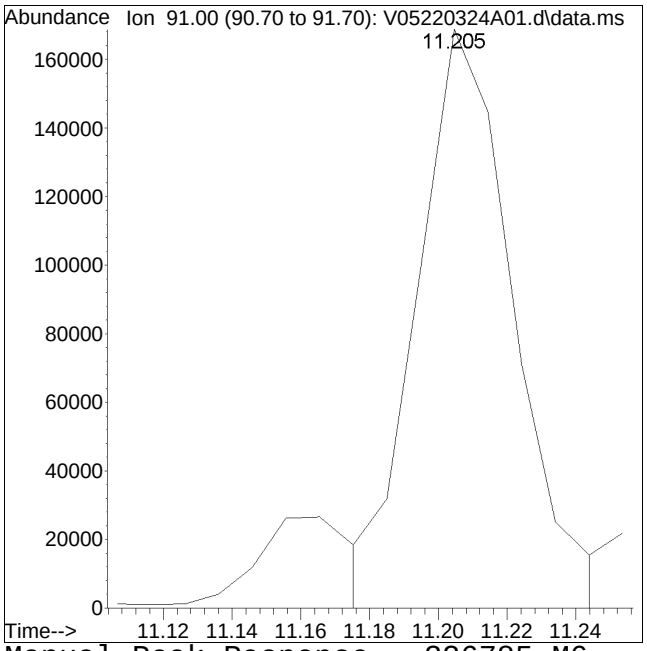
Data Path : I:\VOLATILES\VOA105\2022\2Q
Data File : V05220324A01.d
Date Inj'd : 3/24/2022 7:04 am
Sample : WG1619815-2

Method : V105_220208N_8260.m
Operator : VOA105:PD
Instrument : VOA 105
Quant Date : 3/24/2022 7:28 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 370590



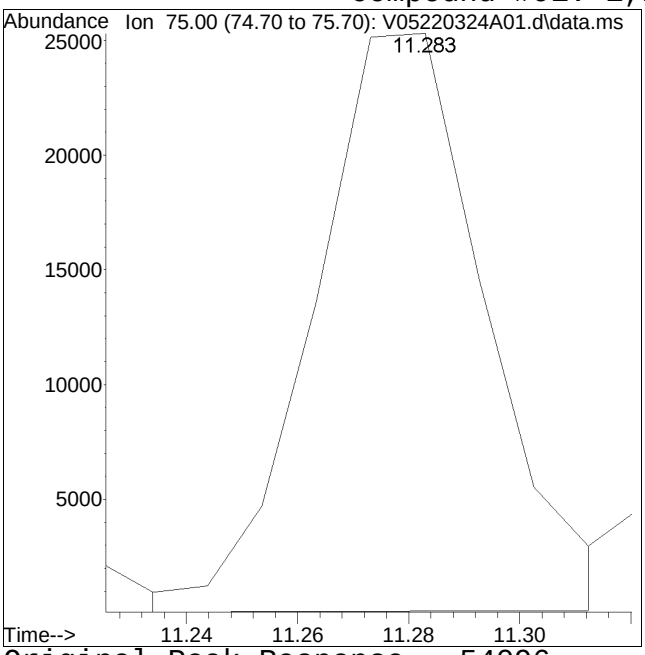
Manual Peak Response = 326785 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

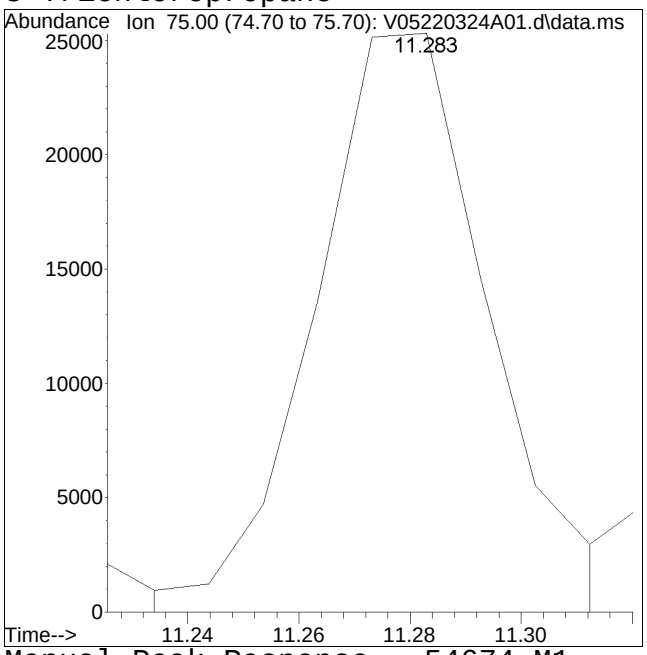
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220324A01.d Operator : VOA105:PD
Date Inj'd : 3/24/2022 7:04 am Instrument : VOA 105
Sample : WG1619815-2 Quant Date : 3/24/2022 7:28 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 54096



Manual Peak Response = 54674 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A01.D
Acq On : 29 Mar 2022 6:50 am
Operator : ELAINE:PD
Sample : WG1621241-2
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 07:19:04 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	108	0.00
2	TP	Dichlorodifluoromethane	0.159	0.135	15.1	94	0.00
3	TP	Chloromethane	0.227	0.220	3.1	110	0.00
4	TC	Vinyl chloride	0.210	0.205	2.4	114	0.00
5	TP	Bromomethane	0.073	0.071	2.7	120	0.00
6	TP	Chloroethane	0.095	0.115	-21.1#	130	0.00
7	TP	Trichlorofluoromethane	0.231	0.232	-0.4	115	0.00
8	TP	Ethyl ether	0.084	0.080	4.8	118	0.00
10	TC	1,1-Dichloroethene	0.146	0.132	9.6	103	0.00
11	TP	Carbon disulfide	0.345	0.355	-2.9	119	0.00
12	TP	Freon-113	0.145	0.149	-2.8	120	0.00
14	TP	Acrolein	* 10.000	8.777	12.2	97	0.00
15	TP	Methylene chloride	0.183	0.179	2.2	115	0.00
17	TP	Acetone	0.043	0.037	14.0	90	0.00
18	TP	trans-1,2-Dichloroethene	0.156	0.150	3.8	113	0.00
19	TP	Methyl acetate	0.114	0.097	14.9	99	0.00
20	TP	Methyl tert-butyl ether	0.371	0.309	16.7	94	0.00
21	TP	tert-Butyl alcohol	0.00858	0.00701#	18.3	108	-0.01
22	TP	Diisopropyl ether	0.754	0.727	3.6	118	0.00
23	TP	1,1-Dichloroethane	0.347	0.354	-2.0	116	0.00
24	TP	Halothane	0.130	0.118	9.2	108	0.00
25	TP	Acrylonitrile	0.057	0.050	12.3	93	0.00
26	TP	Ethyl tert-butyl ether	0.533	0.466	12.6	109	0.00
27	TP	Vinyl acetate	* 10.000	8.400	16.0	108	0.00
28	TP	cis-1,2-Dichloroethene	0.180	0.176#	2.2	114	0.00
29	TP	2,2-Dichloropropane	0.203	0.215	-5.9	129	0.00
30	TP	Bromochloromethane	0.083	0.077#	7.2	109	0.00
31	TP	Cyclohexane	0.335	0.355	-6.0	121	0.00
32	TC	Chloroform	0.294	0.276	6.1	108	0.00
33	TP	Ethyl acetate	0.136	0.100	26.5#	93	0.00
34	TP	Carbon tetrachloride	0.211	0.207	1.9	115	0.00
35	TP	Tetrahydrofuran	0.043	0.039	9.3	108	0.00
36	S	Dibromofluoromethane	0.245	0.246	-0.4	108	0.00
37	TP	1,1,1-Trichloroethane	0.240	0.234	2.5	116	0.00
39	TP	2-Butanone	0.062	0.044	29.0#	91	0.00
40	TP	1,1-Dichloropropene	0.214	0.210	1.9	114	0.00
41	TP	Benzene	0.686	0.652	5.0	107	0.00
42	TP	tert-Amyl methyl ether	* 10.000	8.203	18.0	100	-0.01
43	S	1,2-Dichloroethane-d4	0.291	0.271	6.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A01.D
Acq On : 29 Mar 2022 6:50 am
Operator : ELAINE:PD
Sample : WG1621241-2
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 07:19:04 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TP	1,2-Dichloroethane	0.236	0.234	0.8	110	0.00
47	TP	Methyl cyclohexane	0.203	0.204	-0.5	125	0.00
48	TP	Trichloroethene	0.167	0.156#	6.6	112	0.00
50	TP	Dibromomethane	0.089	0.083	6.7	105	0.00
51	TC	1,2-Dichloropropane	0.194	0.203	-4.6	122	0.00
54	TP	Bromodichloromethane	0.219	0.213#	2.7	114	0.00
57	TP	1,4-Dioxane	0.00094	0.00102#	-8.5	120	0.00
58	TP	cis-1,3-Dichloropropene	0.250	0.232#	7.2	116	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	108	0.00
60	S	Toluene-d8	1.311	1.314	-0.2	108	0.00
61	TC	Toluene	0.590	0.584	1.0	113	0.00
62	TP	4-Methyl-2-pentanone	0.072	0.055	23.6#	99	0.00
63	TP	Tetrachloroethene	0.221	0.223	-0.9	121	0.00
65	TP	trans-1,3-Dichloropropene	* 10.000	8.999	10.0	115	0.00
67	TP	Ethyl methacrylate	0.223	0.175	21.5#	96	0.00
68	TP	1,1,2-Trichloroethane	0.149	0.135#	9.4	104	0.00
69	TP	Chlorodibromomethane	0.206	0.186#	9.7	107	0.00
70	TP	1,3-Dichloropropane	0.330	0.296	10.3	104	0.00
71	TP	1,2-Dibromoethane	* 10.000	8.006	19.9	102	0.00
72	TP	2-Hexanone	0.121	0.103	14.9	97	0.00
73	TP	Chlorobenzene	0.627	0.638	-1.8	118	0.00
74	TC	Ethylbenzene	1.036	1.079	-4.2	116	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.206	0.195	5.3	117	0.00
76	TP	p/m Xylene	0.397	0.421	-6.0	113	0.00
77	TP	o Xylene	0.392	0.409	-4.3	114	0.00
78	TP	Styrene	0.629	0.663	-5.4	112	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
80	TP	Bromoform	0.234	0.197	15.8	103	0.00
82	TP	Isopropylbenzene	1.932	1.972	-2.1	117	0.00
83	S	4-Bromofluorobenzene	0.952	0.942	1.1	104	0.00
84	TP	Bromobenzene	0.495	0.503	-1.6	119	0.00
85	TP	n-Propylbenzene	2.198	2.215	-0.8	115	0.00
86	TP	1,4-Dichlorobutane	0.792	0.727	8.2	102	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.398	0.322	19.1	91	0.00
88	TP	4-Ethyltoluene	1.819	1.837	-1.0	115	0.00
89	TP	2-Chlorotoluene	1.641	1.645	-0.2	115	0.00
90	TP	1,3,5-Trimethylbenzene	1.546	1.563	-1.1	113	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A01.D
Acq On : 29 Mar 2022 6:50 am
Operator : ELAINE:PD
Sample : WG1621241-2
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 07:19:04 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
91 TP	1,2,3-Trichloropropane		0.340	0.296	12.9	99	0.00
92 TP	trans-1,4-Dichloro-2-butene		0.141	0.120	14.9	92	0.00
93 TP	4-Chlorotoluene		1.503	1.489	0.9	111	0.00
94 TP	tert-Butylbenzene		1.239	1.258	-1.5	116	0.00
97 TP	1,2,4-Trimethylbenzene		1.578	1.571	0.4	115	0.00
98 TP	sec-Butylbenzene		1.642	1.632	0.6	114	0.00
99 TP	p-Isopropyltoluene	*	10.000	9.300	7.0	117	0.00
100 TP	1,3-Dichlorobenzene		0.889	0.887	0.2	112	0.00
101 TP	1,4-Dichlorobenzene		0.901	0.915	-1.6	117	0.00
102 TP	p-Diethylbenzene		0.827	0.765	7.5	117	0.00
103 TP	n-Butylbenzene	*	10.000	9.194	8.1	116	0.00
104 TP	1,2-Dichlorobenzene		0.863	0.838	2.9	110	0.00
105 TP	1,2,4,5-Tetramethylbenzene		1.317	1.156	12.2	113	0.00
106 TP	1,2-Dibromo-3-chloropropane	*	10.000	8.084	19.2	93	0.00
107 TP	1,3,5-Trichlorobenzene		0.473	0.477	-0.8	119	0.00
108 TP	Hexachlorobutadiene	*	10.000	9.946	0.5	126	0.00
109 TP	1,2,4-Trichlorobenzene		0.482	0.435	9.8	115	0.00
110 TP	Naphthalene	*	10.000	7.907	20.9#	96	0.00
111 TP	1,2,3-Trichlorobenzene		0.443	0.392#	11.5	108	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 10 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A01.D
Acq On : 29 Mar 2022 6:50 am
Operator : ELAINE:PD
Sample : WG1621241-2
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 07:19:04 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220329A\VE220329A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.309	96	198954	10.000	ug/L	0.00
Standard Area 1 = 198954			Recovery = 100.00%			
59) Chlorobenzene-d5	8.386	117	145633	10.000	ug/L	0.00
Standard Area 1 = 145633			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	9.894	152	74897	10.000	ug/L	0.00
Standard Area 1 = 74897			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.296	113	48990	10.042	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.42%			
43) 1,2-Dichloroethane-d4	4.961	65	53829	9.297	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.97%			
60) Toluene-d8	7.042	98	191366	10.025	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.25%			
83) 4-Bromofluorobenzene	9.221	95	70556	9.895	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.95%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.899	85	26851	8.476	ug/L	98
3) Chloromethane	1.010	50	43697	9.696	ug/L	98
4) Vinyl chloride	1.060	62	40750	9.773	ug/L	95
5) Bromomethane	1.255	94	14084	9.634	ug/L	99
6) Chloroethane	1.333	64	22944	12.106	ug/L	98
7) Trichlorofluoromethane	1.422	101	46090	10.045	ug/L	97
8) Ethyl ether	1.642	74	15910	9.492	ug/L	94
10) 1,1-Dichloroethene	1.767	96	26316	9.030	ug/L	91
11) Carbon disulfide	1.772	76	70673	10.292	ug/L	100
12) Freon-113	1.806	101	29691	10.286	ug/L	94
14) Acrolein	2.031	56	3855	8.777	ug/L	98
15) Methylene chloride	2.229	84	35617	9.784	ug/L	95
17) Acetone	2.282	43	7307	8.485	ug/L	95
18) trans-1,2-Dichloroethene	2.365	96	29749	9.570	ug/L	92
19) Methyl acetate	2.401	43	19287	8.469	ug/L #	93
20) Methyl tert-butyl ether	2.479	73	61388	8.309	ug/L #	85
21) tert-Butyl alcohol	2.618	59	6974	40.871	ug/L #	52
22) Diisopropyl ether	2.877	45	144541	9.638	ug/L	98
23) 1,1-Dichloroethane	2.966	63	70361	10.187	ug/L	96
24) Halothane	3.108	117	23457	9.045	ug/L	96
25) Acrylonitrile	3.041	53	9992	8.782	ug/L	98

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A01.D
Acq On : 29 Mar 2022 6:50 am
Operator : ELAINE:PD
Sample : WG1621241-2
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 07:19:04 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220329A\VE220329A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	3.294	59	92715	8.738	ug/L		90
27) Vinyl acetate	3.314	43	68049	8.400	ug/L	#	94
28) cis-1,2-Dichloroethene	3.620	96	34997	9.760	ug/L		87
29) 2,2-Dichloropropane	3.745	77	42711	10.592	ug/L	#	69
30) Bromochloromethane	3.879	128	15274	9.289	ug/L		96
31) Cyclohexane	3.837	56	70675	10.602	ug/L		98
32) Chloroform	4.043	83	54847	9.391	ug/L		92
33) Ethyl acetate	4.293	43	19900M1	7.380	ug/L		
34) Carbon tetrachloride	4.160	117	41276	9.844	ug/L		98
35) Tetrahydrofuran	4.243	42	7750M1	9.050	ug/L		
37) 1,1,1-Trichloroethane	4.268	97	46645	9.779	ug/L		96
39) 2-Butanone	4.499	43	8781	7.080	ug/L	#	68
40) 1,1-Dichloropropene	4.446	75	41807	9.807	ug/L		97
41) Benzene	4.769	78	129740	9.500	ug/L		97
42) tert-Amyl methyl ether	4.994	73	58807	8.203	ug/L	#	83
44) 1,2-Dichloroethane	5.044	62	46625	9.918	ug/L		99
47) Methyl cyclohexane	5.459	83	40635	10.079	ug/L		99
48) Trichloroethene	5.509	95	31098	9.352	ug/L		94
50) Dibromomethane	5.971	93	16503	9.277	ug/L		91
51) 1,2-Dichloropropane	6.082	63	40379	10.435	ug/L	#	91
54) Bromodichloromethane	6.199	83	42439	9.749	ug/L		98
57) 1,4-Dioxane	6.424	88	10178	542.043	ug/L		97
58) cis-1,3-Dichloropropene	6.870	75	46138	9.269	ug/L		95
61) Toluene	7.092	92	85063	9.901	ug/L		95
62) 4-Methyl-2-pentanone	7.526	58	8070	7.742	ug/L		79
63) Tetrachloroethene	7.459	166	32500	10.083	ug/L		88
65) trans-1,3-Dichloropropene	7.543	75	36266	8.999	ug/L		88
67) Ethyl methacrylate	7.738	69	25506	7.860	ug/L		99
68) 1,1,2-Trichloroethane	7.676	83	19640	9.061	ug/L		94
69) Chlorodibromomethane	7.813	129	27099	9.034	ug/L		93
70) 1,3-Dichloropropane	7.893	76	43175	8.991	ug/L		100
71) 1,2-Dibromoethane	7.974	107	21037	8.006	ug/L		97
72) 2-Hexanone	8.233	43	14950	8.476	ug/L	#	91
73) Chlorobenzene	8.400	112	92943	10.175	ug/L		91
74) Ethylbenzene	8.439	91	157089	10.416	ug/L		99
75) 1,1,1,2-Tetrachloroethane	8.461	131	28361	9.446	ug/L		93
76) p/m Xylene	8.550	106	122618	21.202	ug/L		99
77) o Xylene	8.837	106	119135	20.872	ug/L		93
78) Styrene	8.878	104	192973	21.073	ug/L		90
80) Bromoform	8.881	173	14719	8.415	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A01.D
Acq On : 29 Mar 2022 6:50 am
Operator : ELAINE:PD
Sample : WG1621241-2
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 07:19:04 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220329A\VE220329A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Isopropylbenzene	9.051	105	147671	10.207	ug/L		96
84) Bromobenzene	9.276	156	37639	10.152	ug/L		98
85) n-Propylbenzene	9.312	91	165860	10.073	ug/L		96
86) 1,4-Dichlorobutane	9.321	55	54419	9.174	ug/L		91
87) 1,1,2,2-Tetrachloroethane	9.374	83	24120	8.089	ug/L		94
88) 4-Ethyltoluene	9.385	105	137600	10.097	ug/L		95
89) 2-Chlorotoluene	9.396	91	123183	10.023	ug/L		94
90) 1,3,5-Trimethylbenzene	9.440	105	117037	10.105	ug/L		91
91) 1,2,3-Trichloropropane	9.440	75	22196	8.720	ug/L		93
92) trans-1,4-Dichloro-2-b...	9.474	53	8969	8.483	ug/L	#	79
93) 4-Chlorotoluene	9.502	91	111522	9.908	ug/L		94
94) tert-Butylbenzene	9.624	119	94235	10.158	ug/L		98
97) 1,2,4-Trimethylbenzene	9.668	105	117652	9.957	ug/L		94
98) sec-Butylbenzene	9.730	105	122217	9.937	ug/L		99
99) p-Isopropyltoluene	9.819	119	103833	9.300	ug/L		96
100) 1,3-Dichlorobenzene	9.849	146	66468	9.986	ug/L		99
101) 1,4-Dichlorobenzene	9.902	146	68533	10.154	ug/L		99
102) p-Diethylbenzene	10.030	119	57271	9.249	ug/L		92
103) n-Butylbenzene	10.064	91	79766	9.194	ug/L		98
104) 1,2-Dichlorobenzene	10.144	146	62741	9.710	ug/L		100
105) 1,2,4,5-Tetramethylben...	10.486	119	86563	8.776	ug/L		97
106) 1,2-Dibromo-3-chloropr...	10.603	155	3172	8.084	ug/L		80
107) 1,3,5-Trichlorobenzene	10.617	180	35743	10.084	ug/L		91
108) Hexachlorobutadiene	10.959	225	10455	9.946	ug/L		96
109) 1,2,4-Trichlorobenzene	10.976	180	32614	9.039	ug/L		97
110) Naphthalene	11.154	128	73381	7.907	ug/L		100
111) 1,2,3-Trichlorobenzene	11.257	180	29363	8.847	ug/L		98

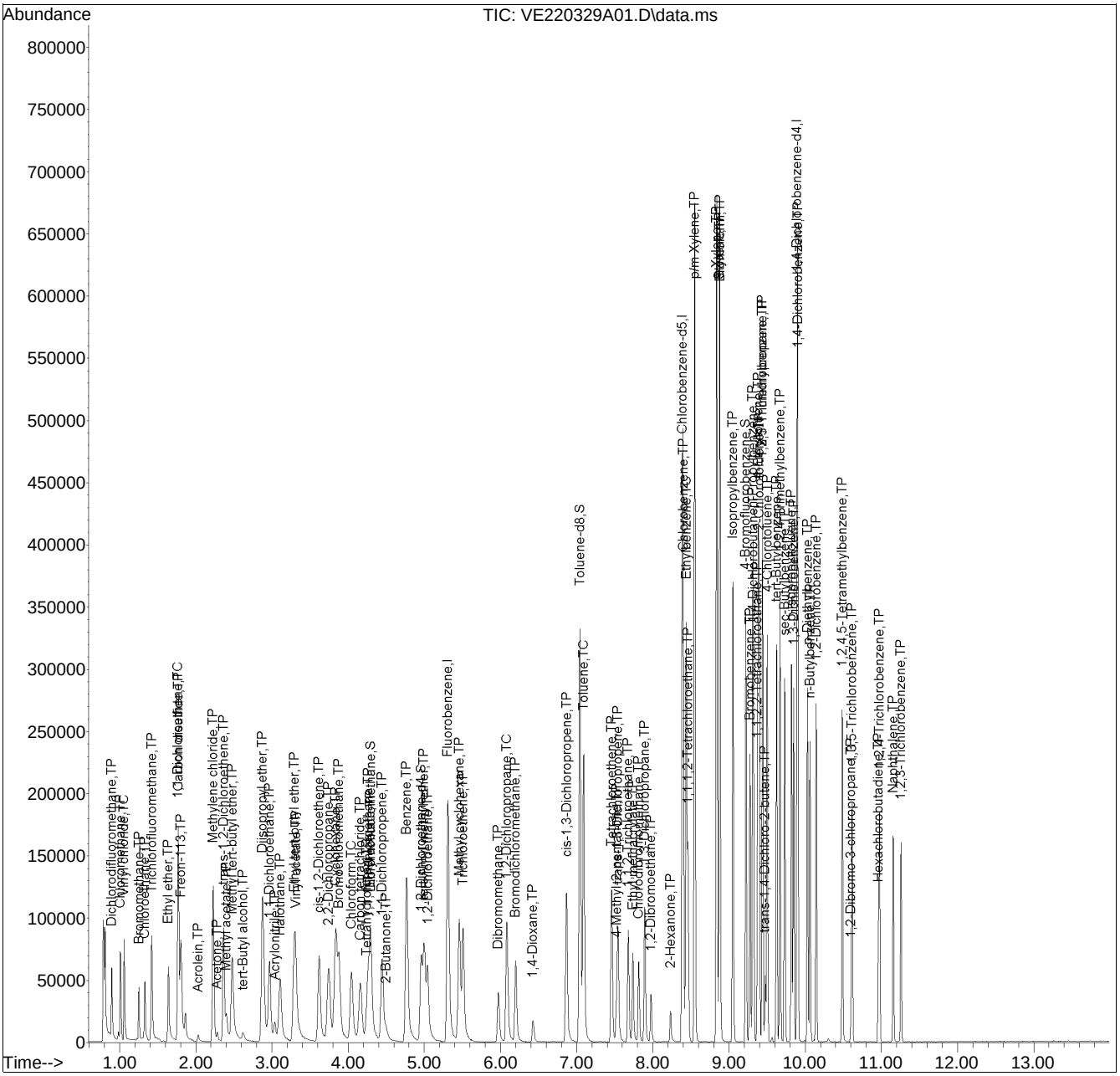
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A01.D
Acq On : 29 Mar 2022 6:50 am
Operator : ELAINE:PD
Sample : WG1621241-2
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 07:19:04 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

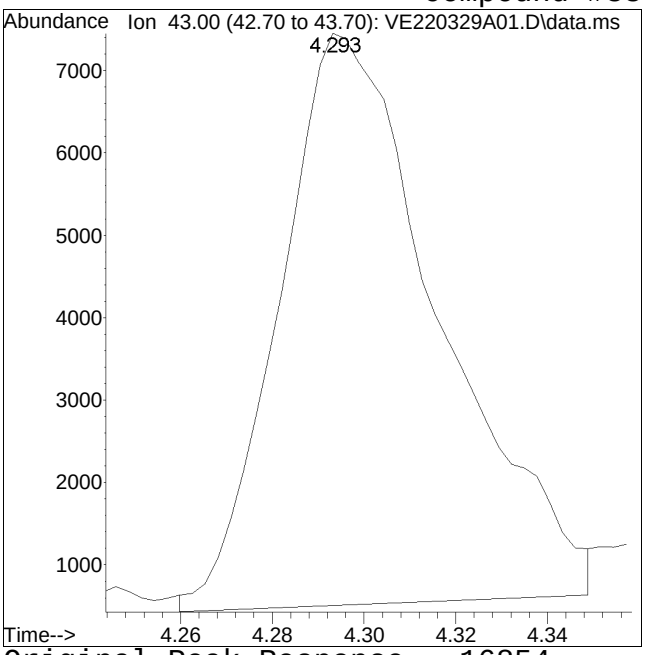


Manual Integration Report

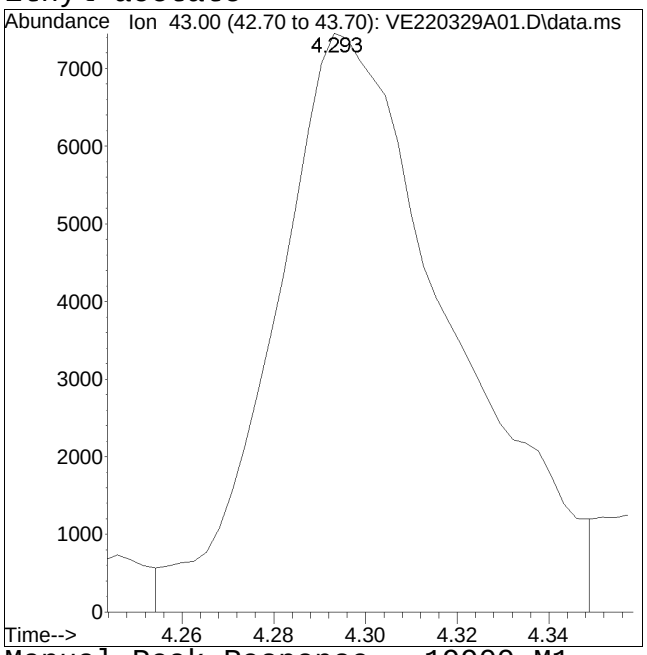
Data Path : I:\VOLATILES\Elaine\2022\2Q
Data File : VE220329A01.D
Date Inj'd : 3/29/2022 6:50 am
Sample : WG1621241-2

Method : Elaine_220316N_8260.m
Operator : ELAINE:PD
Instrument : Elaine
Quant Date : 3/29/2022 7:18 am

Compound #33: Ethyl acetate



Original Peak Response = 16854



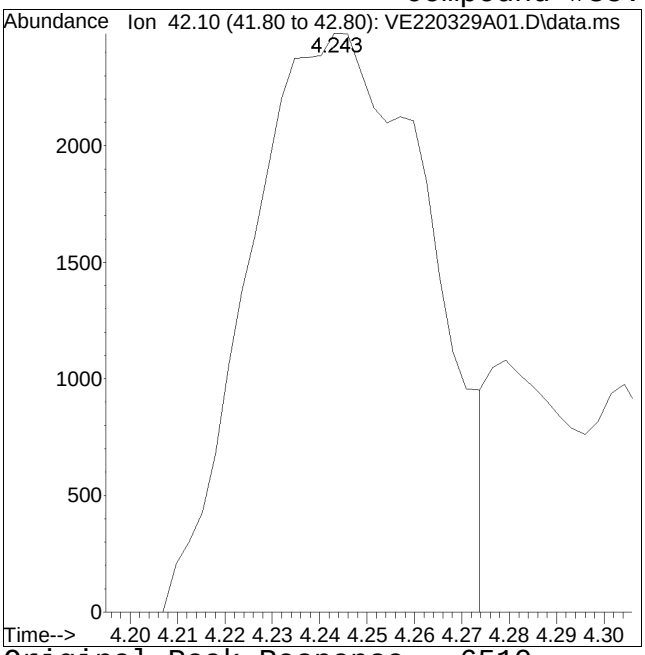
Manual Peak Response = 19900 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

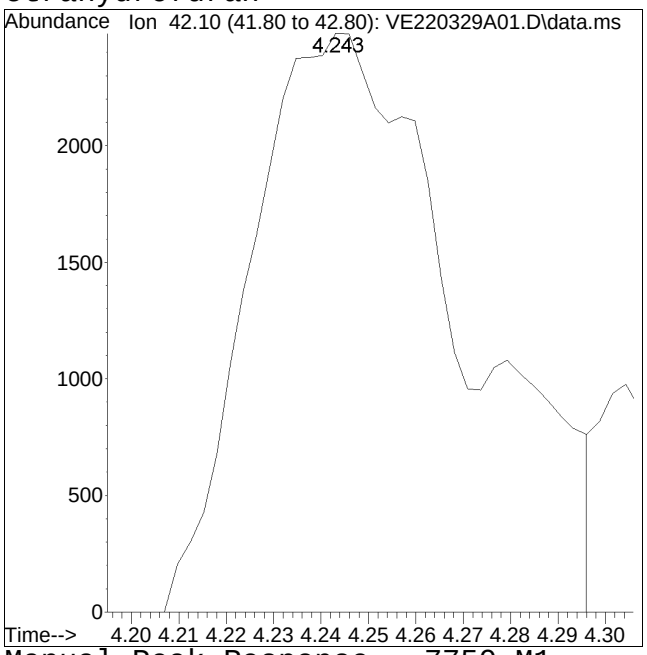
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220329A01.D Operator : ELAINE:PD
Date Inj'd : 3/29/2022 6:50 am Instrument : Elaine
Sample : WG1621241-2 Quant Date : 3/29/2022 7:18 am

Compound #35: Tetrahydrofuran



Original Peak Response = 6510



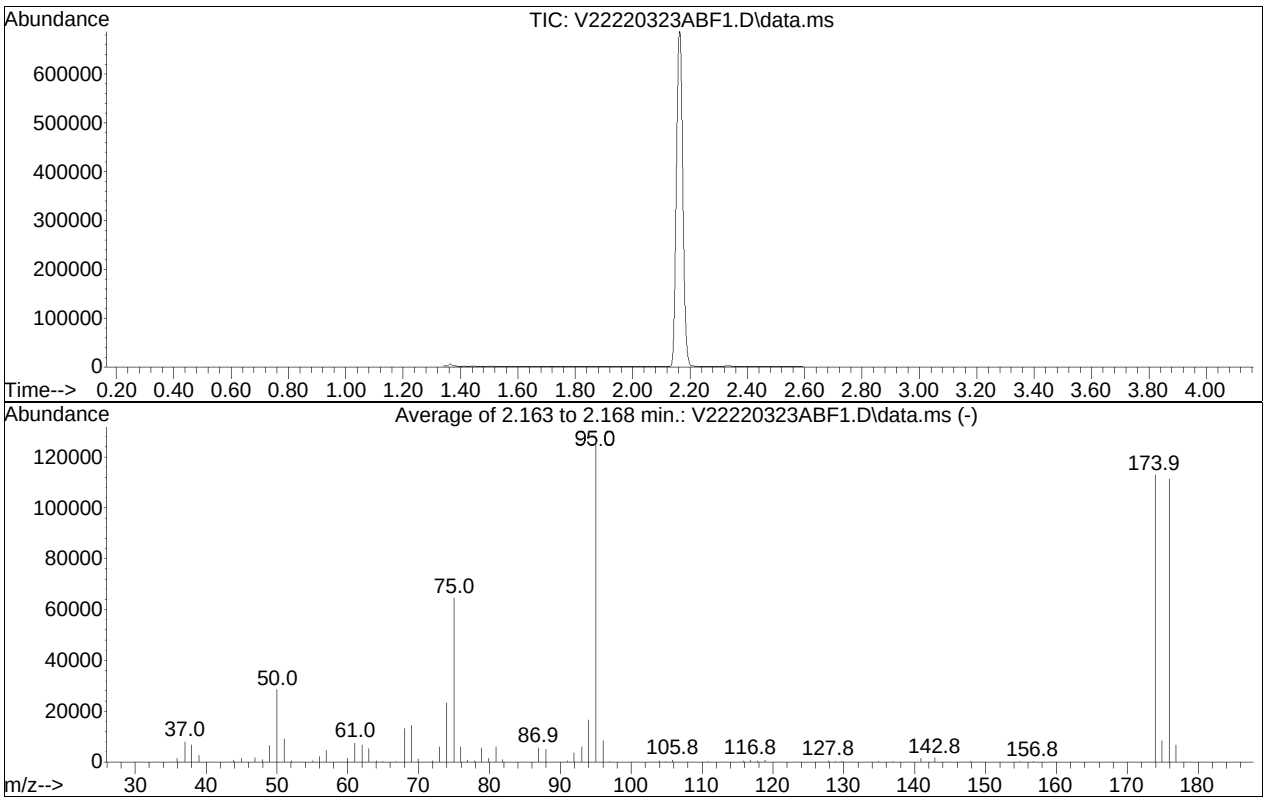
Manual Peak Response = 7750 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323ABF1.D
Acq On : 23 Mar 2022 09:13 am
Operator : VOA122:PD
Sample : WG1619277-1
Misc : WG1619277,ICAL18716
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Thu Feb 03 20:15:42 2022



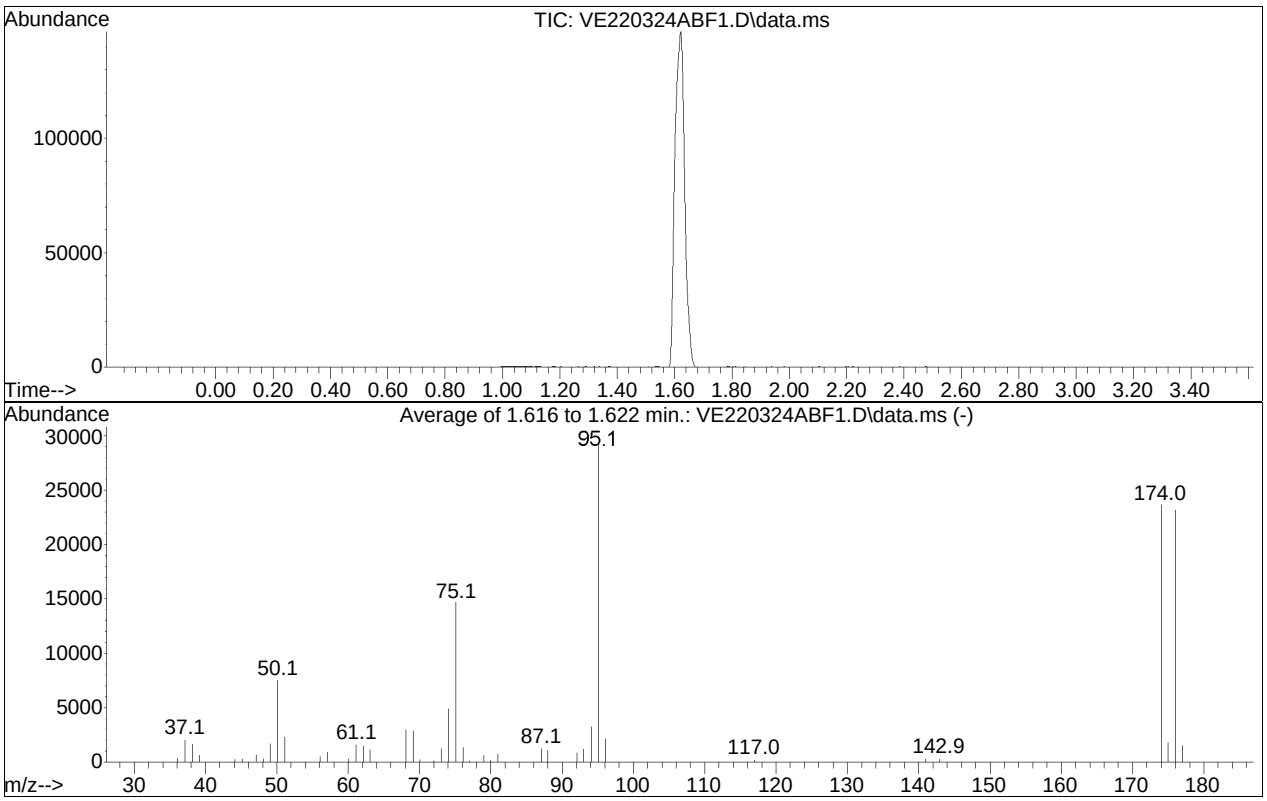
Spectrum Information: Average of 2.163 to 2.168 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.7	28480	PASS
75	95	30	60	51.4	64624	PASS
95	95	100	100	100.0	125637	PASS
96	95	5	9	6.8	8540	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	90.0	113083	PASS
175	174	5	9	7.5	8515	PASS
176	174	95	101	98.5	111395	PASS
177	176	5	9	6.2	6868	PASS

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324ABF1.D
Acq On : 24 Mar 2022 6:48 am
Operator : ELAINE:PD
Sample : WG1619786-1
Misc : WG1619786
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Mar 17 12:37:40 2022



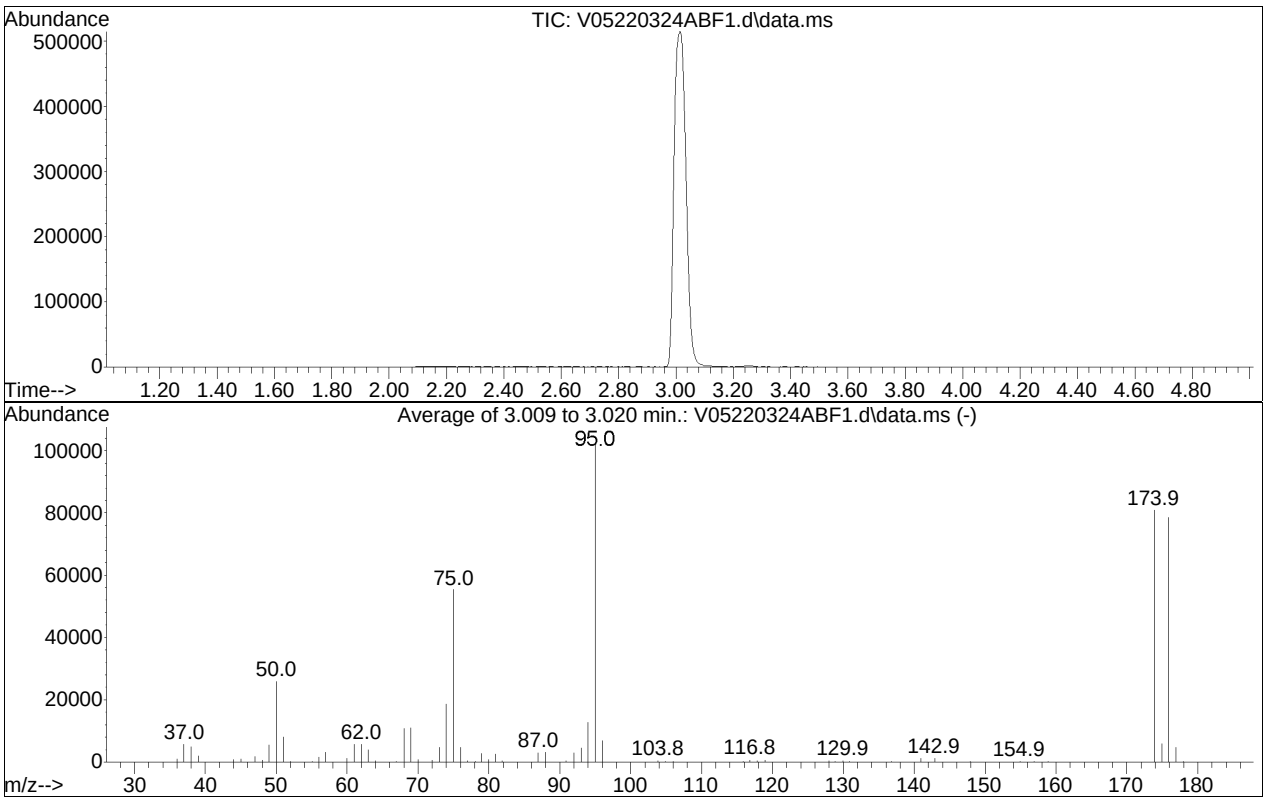
AutoFind: Scans 225, 226, 227; Background Corrected with Scan 210

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.6	7528	PASS
75	95	30	60	50.0	14687	PASS
95	95	100	100	100.0	29371	PASS
96	95	5	9	7.3	2158	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	80.7	23696	PASS
175	174	5	9	7.6	1800	PASS
176	174	95	101	97.8	23173	PASS
177	176	5	9	6.5	1509	PASS

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324ABF1.d
Acq On : 24 Mar 2022 6:49 am
Operator : VOA105:PD
Sample : WG1619815-1
Misc : WG1619815
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Feb 09 11:34:23 2022



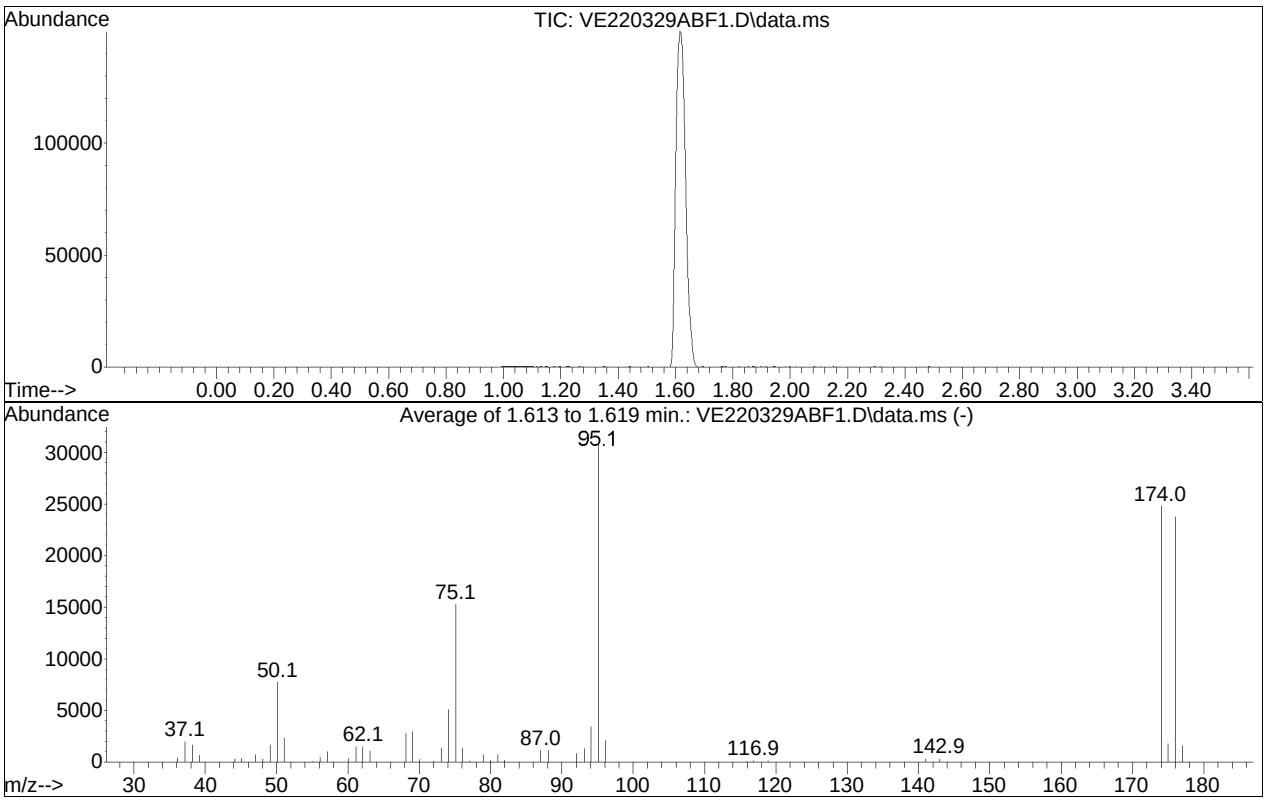
AutoFind: Scans 169, 170, 171; Background Corrected with Scan 159

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.2	25896	PASS
75	95	30	60	54.0	55368	PASS
95	95	100	100	100.0	102579	PASS
96	95	5	9	6.7	6862	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	78.9	80888	PASS
175	174	5	9	7.3	5945	PASS
176	174	95	101	97.1	78557	PASS
177	176	5	9	6.1	4811	PASS

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329ABF1.D
Acq On : 29 Mar 2022 6:31 am
Operator : ELAINE:PD
Sample : WG1621241-1
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Mar 17 12:37:40 2022



AutoFind: Scans 224, 225, 226; Background Corrected with Scan 210

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.1	7760	PASS
75	95	30	60	49.5	15299	PASS
95	95	100	100	100.0	30925	PASS
96	95	5	9	6.7	2060	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	80.2	24813	PASS
175	174	5	9	7.2	1780	PASS
176	174	95	101	95.7	23747	PASS
177	176	5	9	6.8	1613	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A05.D
Acq On : 23 Mar 2022 11:02 am
Operator : VOA122:PD
Sample : WG1619277-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 23 11:44:19 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.602	96	159853	10.000 ug/L	0.00
Standard Area 1 = 208471			Recovery = 76.68%		
62) Chlorobenzene-d5	9.107	117	151202	10.000 ug/L	0.00
Standard Area 1 = 173941			Recovery = 86.93%		
83) 1,4-Dichlorobenzene-d4	11.908	152	87231	10.000 ug/L	0.00
Standard Area 1 = 105828			Recovery = 82.43%		
System Monitoring Compounds					
38) Dibromofluoromethane	4.802	113	60866	12.050 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 120.50%		
46) 1,2-Dichloroethane-d4	5.314	65	54716	11.043 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.43%		
63) Toluene-d8	7.276	98	179159	9.608 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.08%		
87) 4-Bromofluorobenzene	10.646	95	66838	8.484 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.84%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	1.958	94	239	0.149 ug/L #	70
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.676	76	529	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
34) Chloroform	4.635	83	73	N.D.	

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A05.D
Acq On : 23 Mar 2022 11:02 am
Operator : VOA122:PD
Sample : WG1619277-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 23 11:44:19 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0		N.D.	
39) 1,1,1-Trichloroethane	0.000		0		N.D.	
41) 2-Butanone	0.000		0		N.D.	
42) 1,1-Dichloropropene	0.000		0		N.D.	
44) Benzene	0.000		0		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
51) Trichloroethene	0.000		0		N.D.	
53) Dibromomethane	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
60) 1,4-Dioxane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	0.000		0		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	0.000		0		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
73) 1,3-Dichloropropane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	9.107	91	184		N.D.	
79) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
80) p/m Xylene	0.000		0		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
88) Bromobenzene	0.000		0		N.D.	
89) n-Propylbenzene	10.654	91	202		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
92) 4-Ethyltoluene	11.066	105	76		N.D.	
93) 2-Chlorotoluene	0.000		0		N.D.	
94) 1,3,5-Trimethylbenzene	11.066	105	76		N.D.	
95) 1,2,3-Trichloropropane	0.000		0		N.D.	
96) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
97) 4-Chlorotoluene	0.000		0		N.D.	
98) tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A05.D
Acq On : 23 Mar 2022 11:02 am
Operator : VOA122:PD
Sample : WG1619277-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 23 11:44:19 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.505	105	65	N.D.		
102) sec-Butylbenzene	11.505	105	65	N.D.		
103) p-Isopropyltoluene	11.769	119	82	N.D.		
104) 1,3-Dichlorobenzene	11.832	146	177	N.D.		
105) 1,4-Dichlorobenzene	11.922	146	670	N.D.		
106) p-Diethylbenzene	0.000		0	N.D.		
107) n-Butylbenzene	0.000		0	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
109) 1,2,4,5-Tetramethylben...	12.980	119	68	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
112) Hexachlorobutadiene	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	13.795	180	216	N.D.		
114) Naphthalene	14.094	128	629	N.D.		
115) 1,2,3-Trichlorobenzene	14.254	180	429	0.091	ug/L #	51

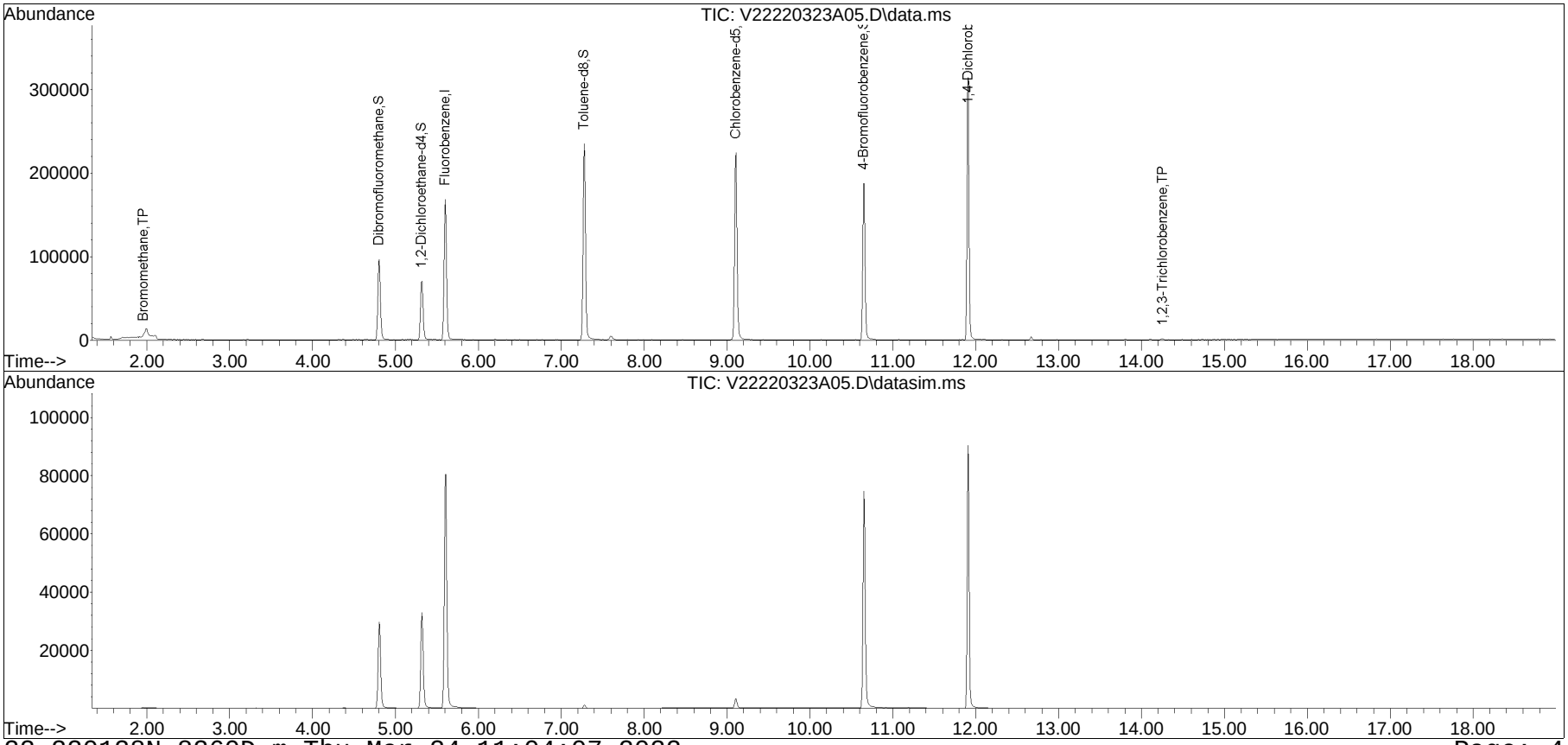
(#) = qualifier out of range (m) = manual integration (+) = signals summed

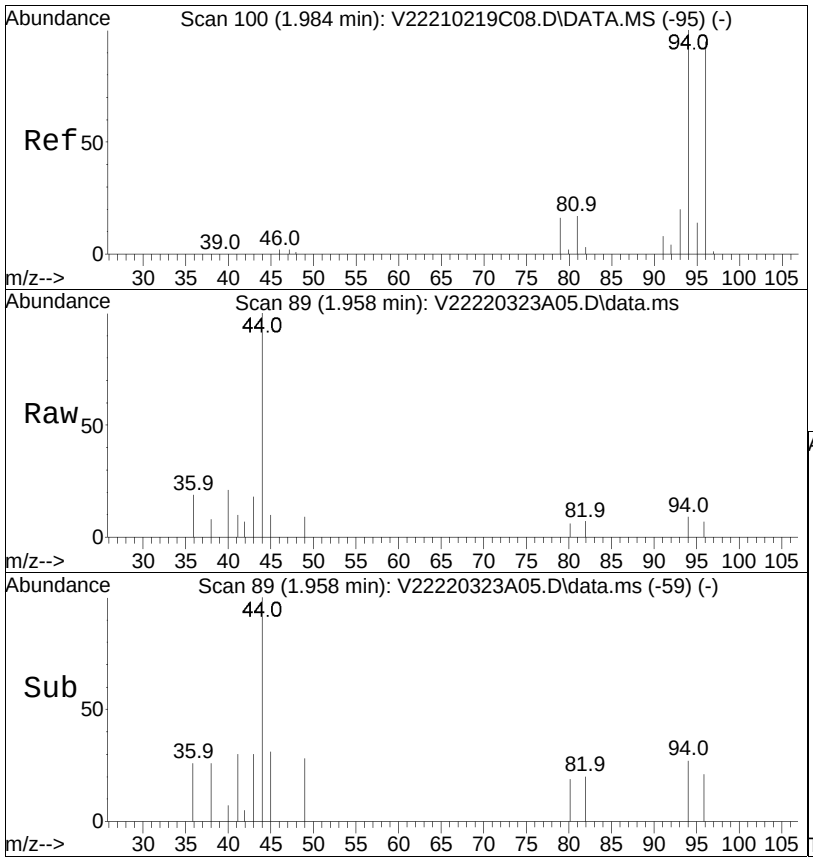
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A05.D
Acq On : 23 Mar 2022 11:02 am
Operator : VOA122:PD
Sample : WG1619277-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 23 11:44:19 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

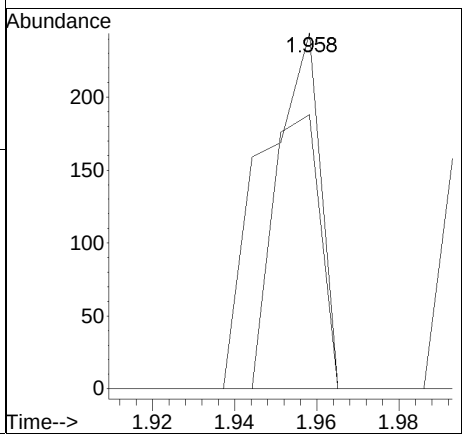


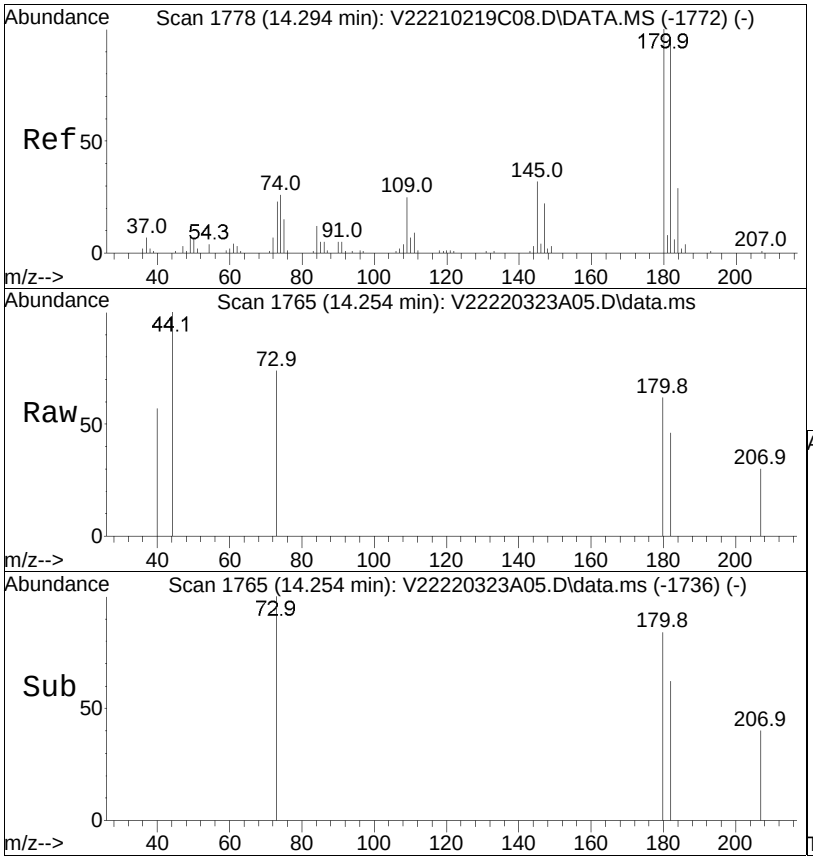


#5
Bromomethane
Concen: 0.15 ug/L
RT: 1.958 min Scan# 89
Delta R.T. 0.007 min
Lab File: V22220323A05.D
Acq: 23 Mar 2022 11:02 am

Tgt Ion: 94 Resp: 239

Ion	Ratio	Lower	Upper
94	100		
96	63.6	72.8	112.8#

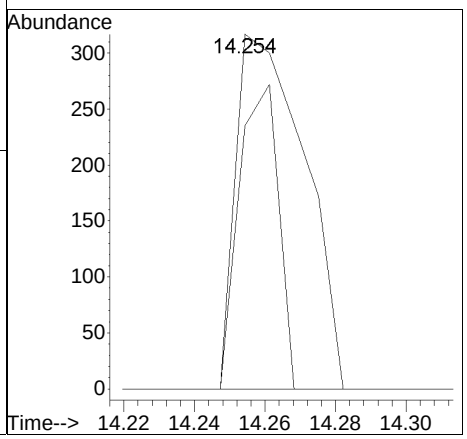




#115
1,2,3-Trichlorobenzene
Concen: 0.09 ug/L
RT: 14.254 min Scan# 1765
Delta R.T. 0.000 min
Lab File: V22220323A05.D
Acq: 23 Mar 2022 11:02 am

Tgt Ion:180 Resp: 429

Ion	Ratio	Lower	Upper
180	100		
182	49.4	76.0	114.0#
145	0.0	23.8	35.8#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2	QMethod	: V122_220128N_8260D.m
Data File	: V22220323A05.D	Operator	: VOA122:PD
Date Inj'd	: 3/23/2022 11:02 am	Instrument	: VOA122
Sample	: WG1619277-5,31,10,10	Quant Date	: 3/23/2022 11:43 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A05.D
Acq On : 24 Mar 2022 8:23 am
Operator : ELAINE:PD
Sample : WG1619786-5,31,10,10
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 08:56:15 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.311	96	165111	10.000 ug/L	0.00
Standard Area 1 = 180008			Recovery = 91.72%		
59) Chlorobenzene-d5	8.386	117	129093	10.000 ug/L	0.00
Standard Area 1 = 131992			Recovery = 97.80%		
79) 1,4-Dichlorobenzene-d4	9.894	152	64054	10.000 ug/L	0.00
Standard Area 1 = 68168			Recovery = 93.96%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.299	113	43518	10.749 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.49%		
43) 1,2-Dichloroethane-d4	4.961	65	51724	10.765 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.65%		
60) Toluene-d8	7.042	98	161565	9.548 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.48%		
83) 4-Bromofluorobenzene	9.221	95	60319	9.891 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.91%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	1.775	76	303	N.D.	
15) Methylene chloride	2.223	84	86	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A05.D
Acq On : 24 Mar 2022 8:23 am
Operator : ELAINE:PD
Sample : WG1619786-5,31,10,10
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 08:56:15 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.092	92	147		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	d
73) Chlorobenzene	8.400	112	123		N.D.	
74) Ethylbenzene	8.553	91	221		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	8.550	106	57		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	8.878	104	128		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	9.315	91	144		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	9.385	105	204		N.D.	
89) 2-Chlorotoluene	9.399	91	107		N.D.	
90) 1,3,5-Trimethylbenzene	9.440	105	121		N.D.	
91) 1,2,3-Trichloropropane	0.000		0		N.D.	d
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	9.504	91	169		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A05.D
Acq On : 24 Mar 2022 8:23 am
Operator : ELAINE:PD
Sample : WG1619786-5,31,10,10
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 08:56:15 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.668	105	171	N.D.		
98)	sec-Butylbenzene	9.732	105	96	N.D.		
99)	p-Isopropyltoluene	0.000		0	N.D.	d	
100)	1,3-Dichlorobenzene	9.849	146	350	N.D.		
101)	1,4-Dichlorobenzene	9.902	146	674	0.117	ug/L #	1
102)	p-Diethylbenzene	0.000		0	N.D.		
103)	n-Butylbenzene	0.000		0	N.D.	d	
104)	1,2-Dichlorobenzene	10.147	146	253	N.D.		
105)	1,2,4,5-Tetramethylben...	0.000		0	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108)	Hexachlorobutadiene	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	10.976	180	135	N.D.		
110)	Naphthalene	11.160	128	329	0.330	ug/L	100
111)	1,2,3-Trichlorobenzene	11.257	180	61	N.D.		

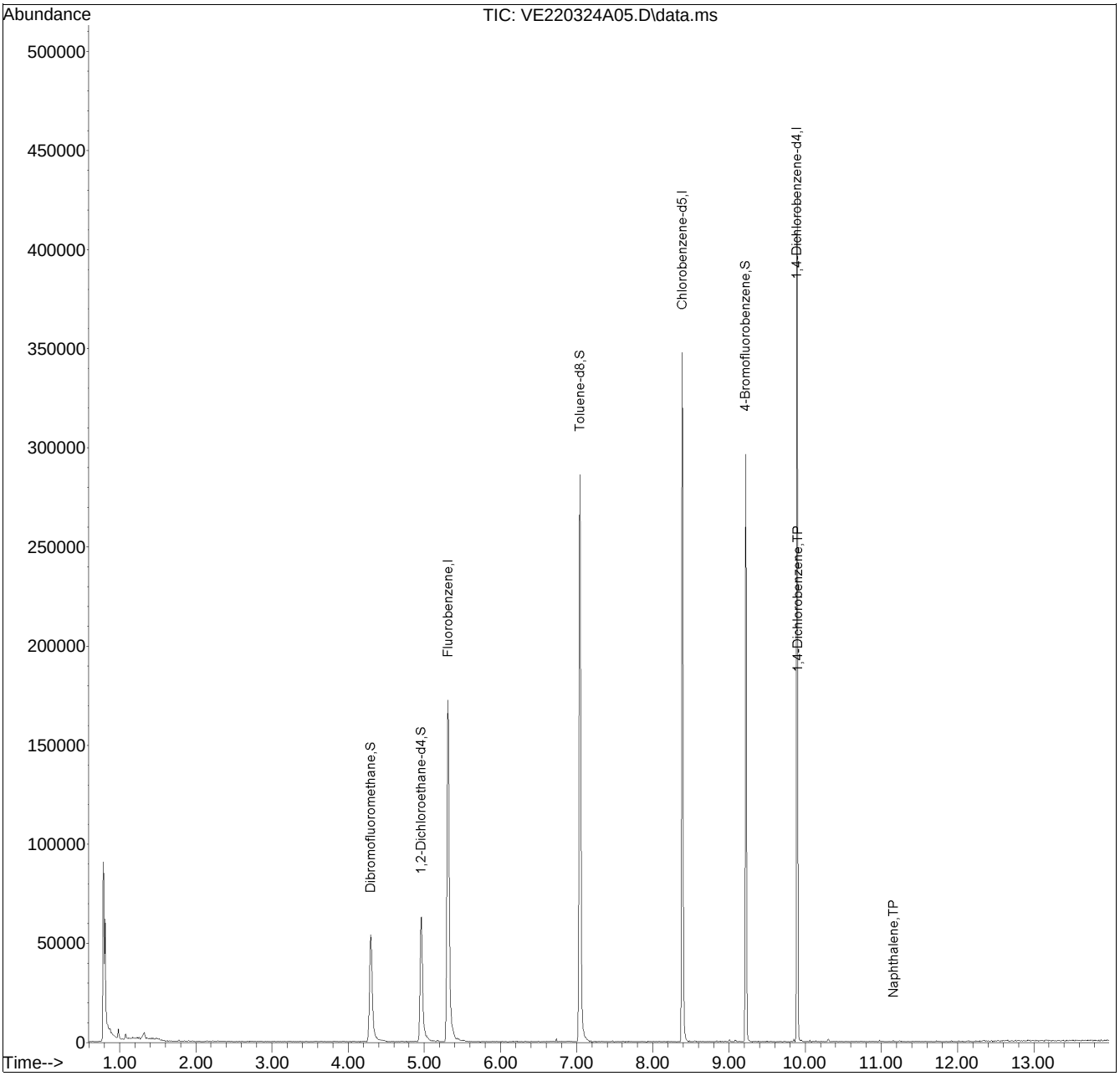
(#) = qualifier out of range (m) = manual integration (+) = signals summed

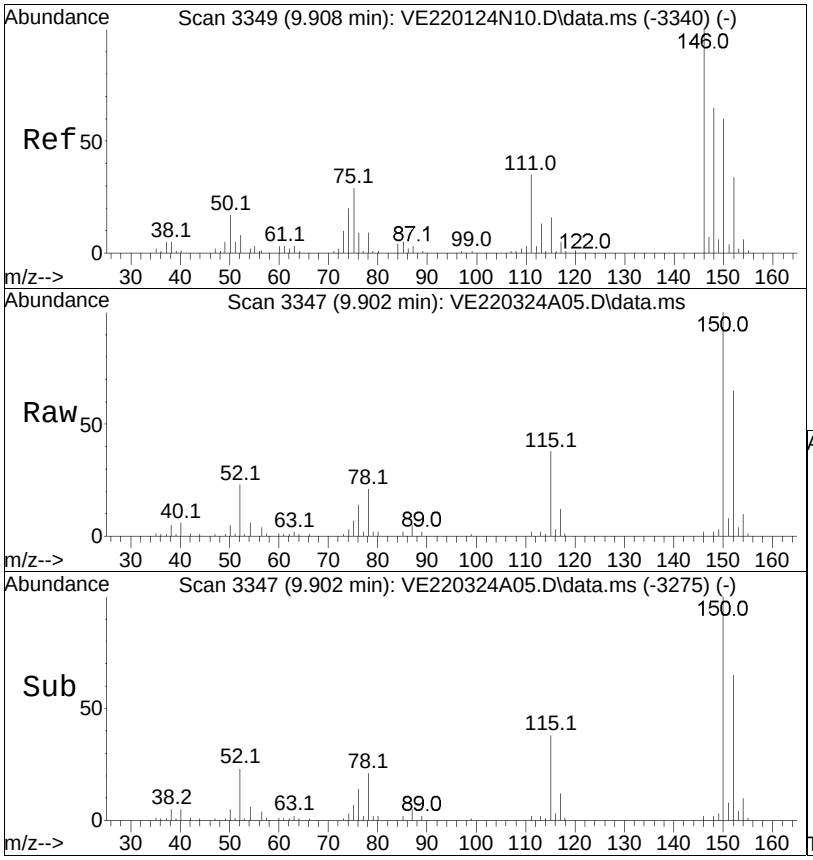
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A05.D
Acq On : 24 Mar 2022 8:23 am
Operator : ELAINE:PD
Sample : WG1619786-5,31,10,10
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 08:56:15 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

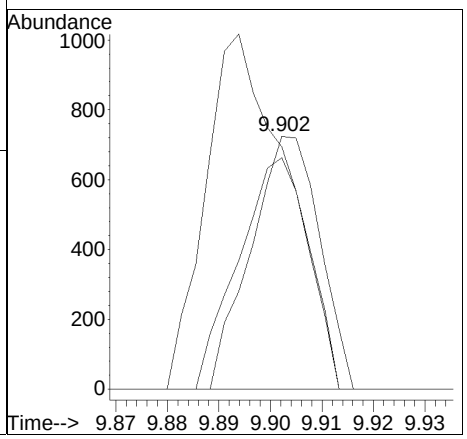


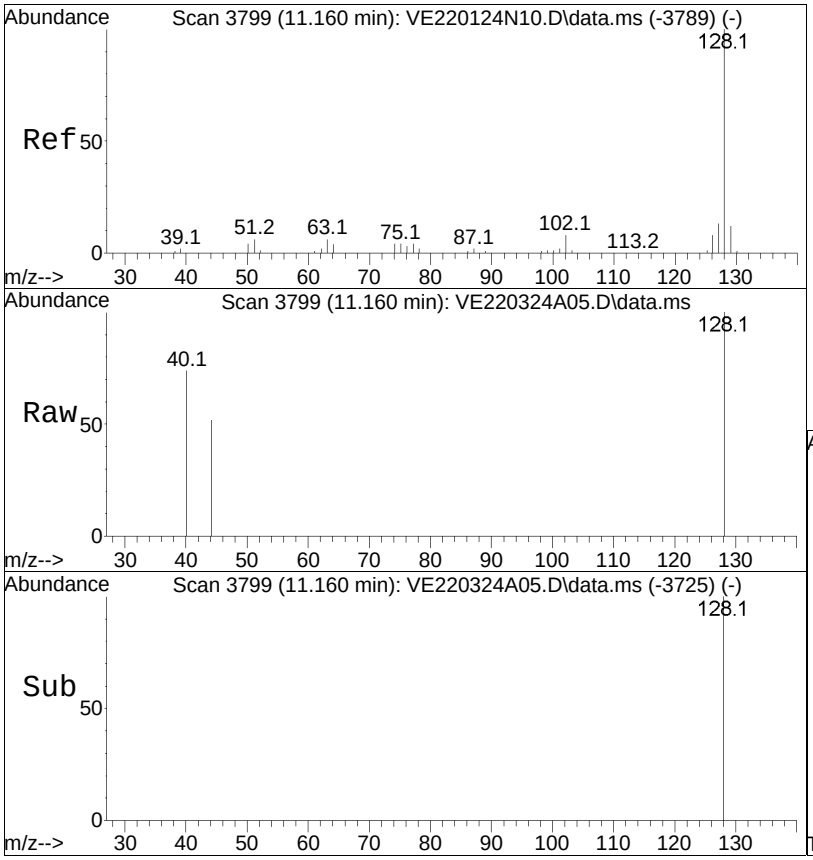


#101
1,4-Dichlorobenzene
Concen: 0.12 ug/L
RT: 9.902 min Scan# 3347
Delta R.T. 0.000 min
Lab File: VE220324A05.D
Acq: 24 Mar 2022 8:23 am

Tgt Ion:146 Resp: 674

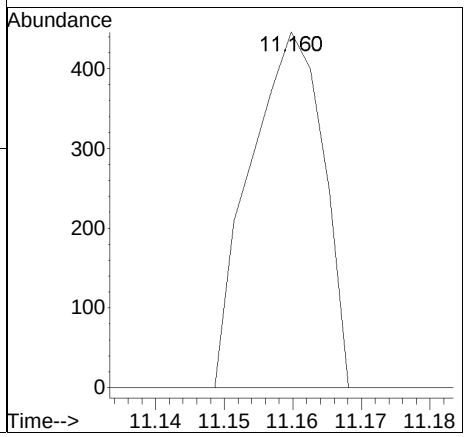
Ion	Ratio	Lower	Upper
146	100		
111	165.4	32.3	48.5#
148	93.5	49.9	74.9#





#110
Naphthalene
Concen: 0.33 ug/L
RT: 11.160 min Scan# 3799
Delta R.T. 0.006 min
Lab File: VE220324A05.D
Acq: 24 Mar 2022 8:23 am

Tgt Ion:128 Resp: 329



Manual Integration Report

Data Path	: I:\VOLATILES\Elaine\2022\2Q	Method	: Elaine_220316N_8260.m
Data File	: VE220324A05.D	Operator	: ELAINE:PD
Date Inj'd	: 3/24/2022 8:23 am	Instrument	: Elaine
Sample	: WG1619786-5,31,10,10	Quant Date	: 3/24/2022 8:55 am

There are no manual integrations or false positives in this file.

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A05.d
Acq On : 24 Mar 2022 8:36 am
Operator : VOA105:PD
Sample : WG1619815-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 24 08:58:04 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220324A\V05220324A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.860	96	302129	10.000	ug/L	0.00
Standard Area 1 = 325636			Recovery = 92.78%			
59) Chlorobenzene-d5	9.373	117	237888	10.000	ug/L	0.00
Standard Area 1 = 250615			Recovery = 94.92%			
79) 1,4-Dichlorobenzene-d4	12.106	152	129854	10.000	ug/L	0.00
Standard Area 1 = 144196			Recovery = 90.05%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	87491	11.117	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.17%			
43) 1,2-Dichloroethane-d4	5.586	65	116006	11.202	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.02%			
60) Toluene-d8	7.533	98	306378	9.863	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.63%			
83) 4-Bromofluorobenzene	10.881	95	117755	10.015	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.15%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.134	94	290	0.072	ug/L	91
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.877	76	533	N.D.		
15) Methylene chloride	3.405	84	98	N.D.		
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	4.892	83	543	N.D.		

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A05.d
Acq On : 24 Mar 2022 8:36 am
Operator : VOA105:PD
Sample : WG1619815-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 24 08:58:04 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220324A\V05220324A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	5.469	78	127		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	6.026	95	219		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.611	92	333		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	9.373	91	350		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	9.637	106	123		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	10.274	104	96		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	10.568	105	322		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	11.048	91	728		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	11.185	105	918		N.D.	
89) 2-Chlorotoluene	11.214	91	434		N.D.	
90) 1,3,5-Trimethylbenzene	11.273	105	867		N.D.	
91) 1,2,3-Trichloropropane	11.420	75	96		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	11.420	91	503		N.D.	
94) tert-Butylbenzene	11.616	119	642		N.D.	

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A05.d
Acq On : 24 Mar 2022 8:36 am
Operator : VOA105:PD
Sample : WG1619815-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 24 08:58:04 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220324A\V05220324A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	1,2,4-Trimethylbenzene	11.704	105	890	N.D.			
98)	sec-Butylbenzene	11.812	105	1205	N.D.			
99)	p-Isopropyltoluene	11.959	119	1244	N.D.			
100)	1,3-Dichlorobenzene	12.037	146	445	N.D.			
101)	1,4-Dichlorobenzene	12.125	146	847	N.D.			
102)	p-Diethylbenzene	12.341	119	901	N.D.			
103)	n-Butylbenzene	12.400	91	1471	N.D.			
104)	1,2-Dichlorobenzene	12.566	146	743	N.D.			
105)	1,2,4,5-Tetramethylben...	13.134	119	2288	0.087	ug/L		93
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
108)	Hexachlorobutadiene	13.928	225	449	0.111	ug/L	#	48
109)	1,2,4-Trichlorobenzene	13.967	180	1640	0.200	ug/L	#	82
110)	Naphthalene	14.261	128	5872	0.375	ug/L		100
111)	1,2,3-Trichlorobenzene	14.427	180	2385	0.350	ug/L	#	86

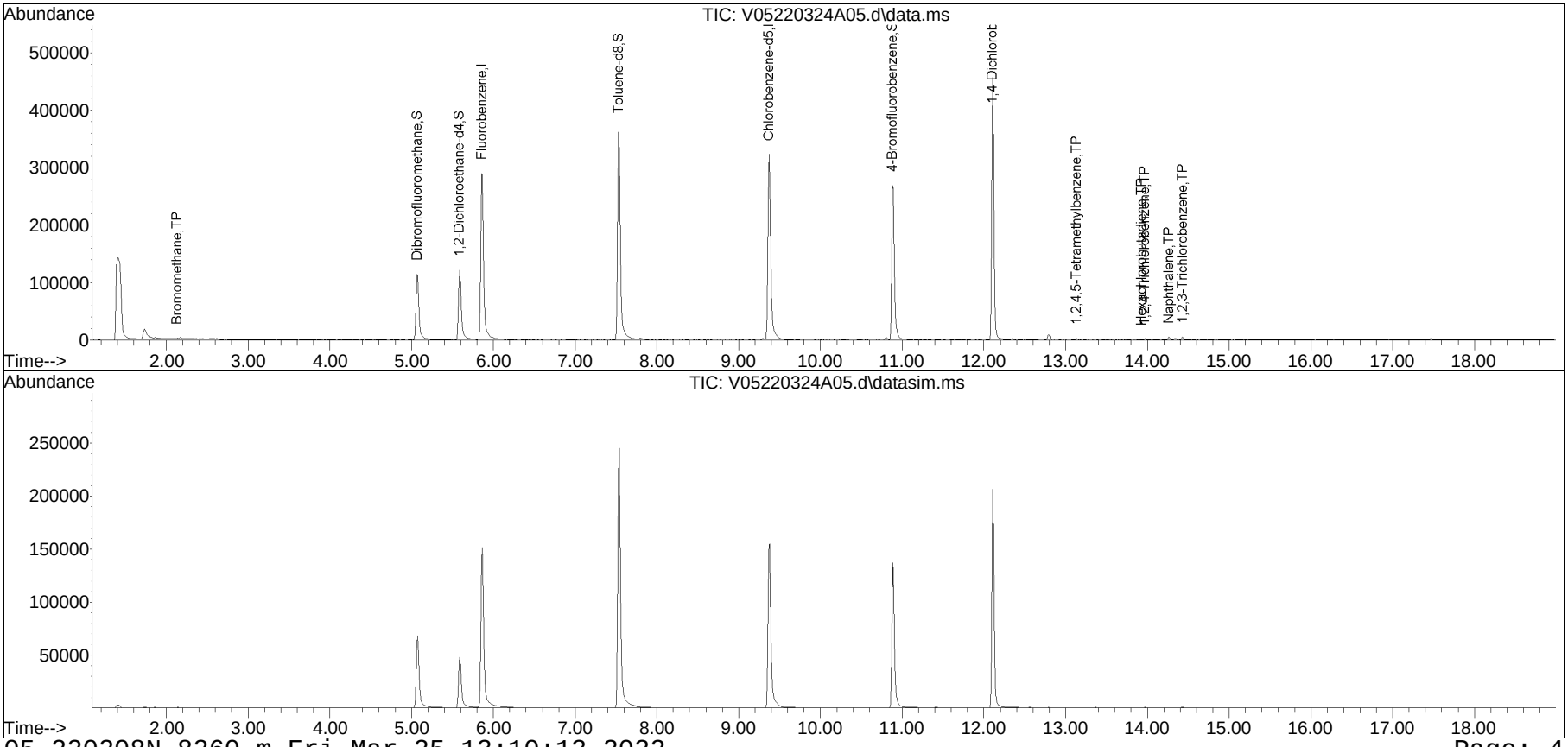
(#) = qualifier out of range (m) = manual integration (+) = signals summed

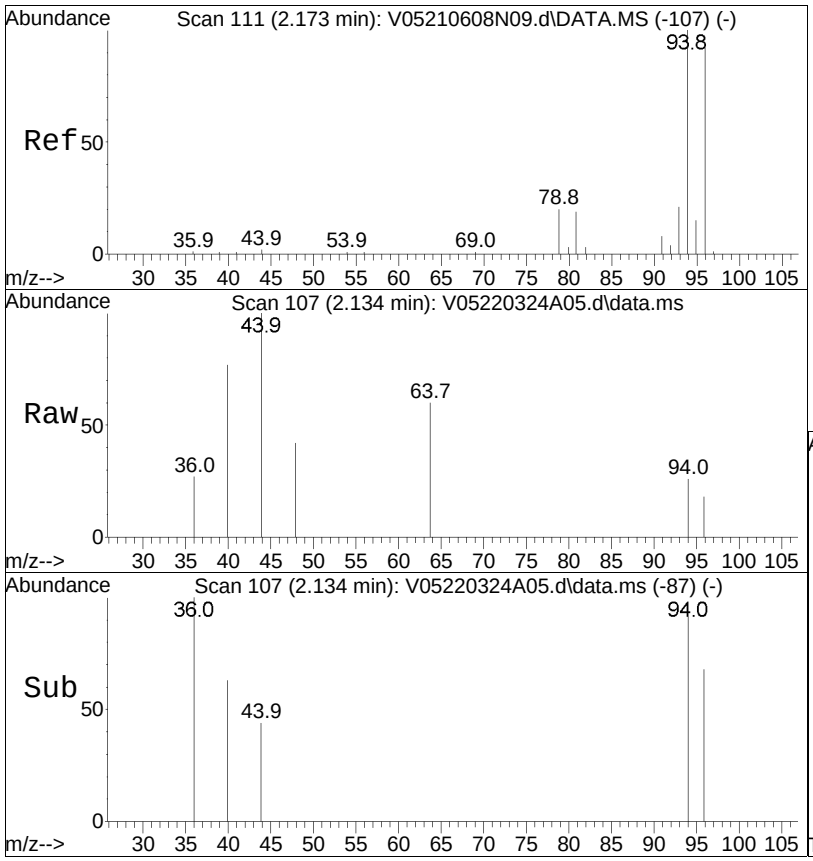
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A05.d
Acq On : 24 Mar 2022 8:36 am
Operator : VOA105:PD
Sample : WG1619815-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 24 08:58:04 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

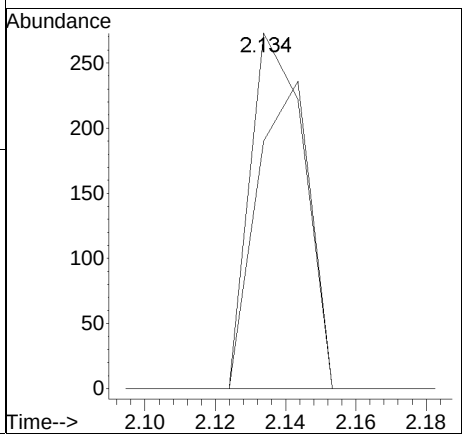


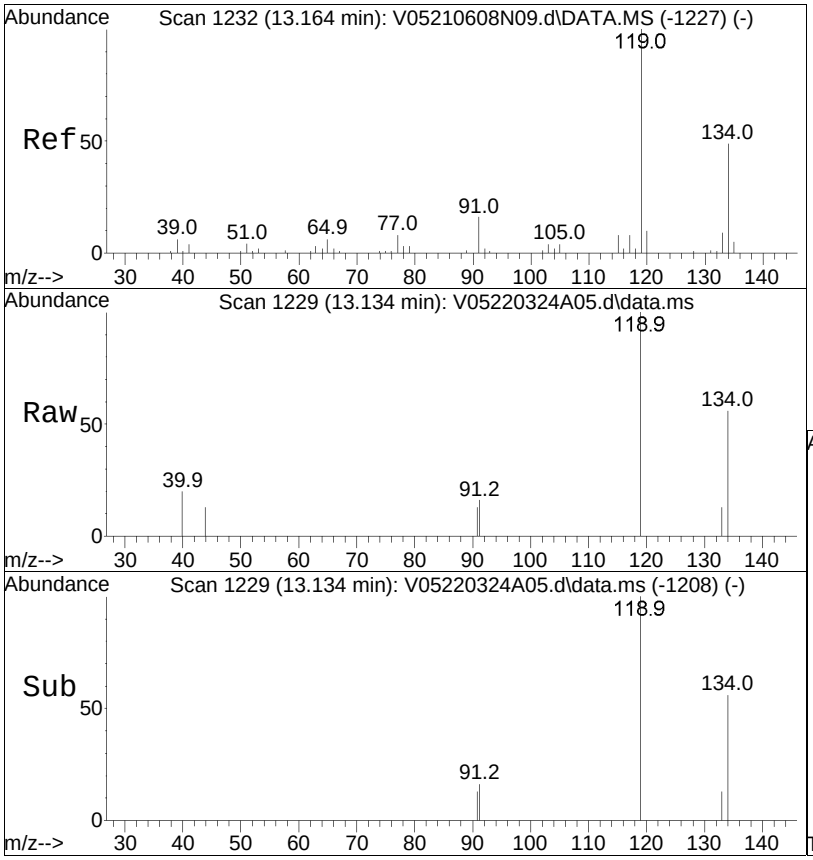


#5
Bromomethane
Concen: 0.07 ug/L
RT: 2.134 min Scan# 107
Delta R.T. -0.000 min
Lab File: V05220324A05.d
Acq: 24 Mar 2022 8:36 am

Tgt Ion: 94 Resp: 290

Ion	Ratio	Lower	Upper
94	100		
96	86.2	75.4	115.4

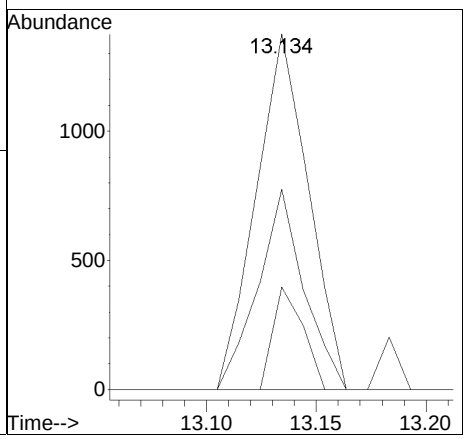


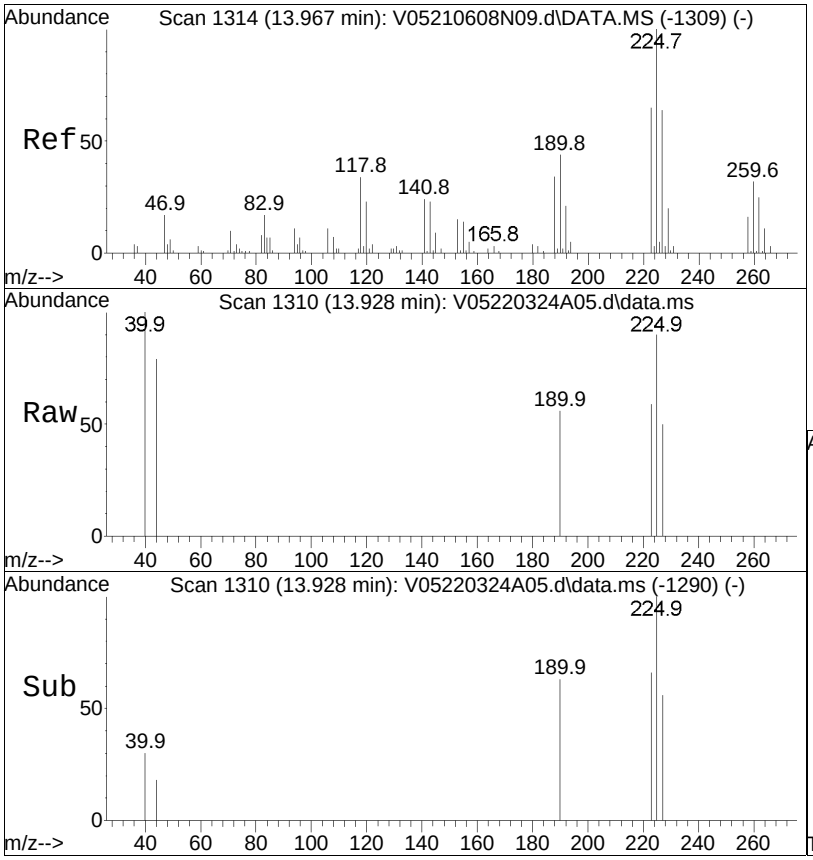


#105
1,2,4,5-Tetramethylbenzene
Concen: 0.09 ug/L
RT: 13.134 min Scan# 1229
Delta R.T. 0.010 min
Lab File: V05220324A05.d
Acq: 24 Mar 2022 8:36 am

Tgt Ion:119 Resp: 2288

Ion	Ratio	Lower	Upper
119	100		
134	49.6	28.7	59.7
91	16.6	11.6	24.0

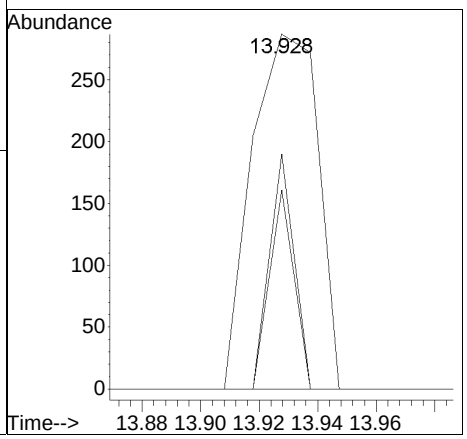


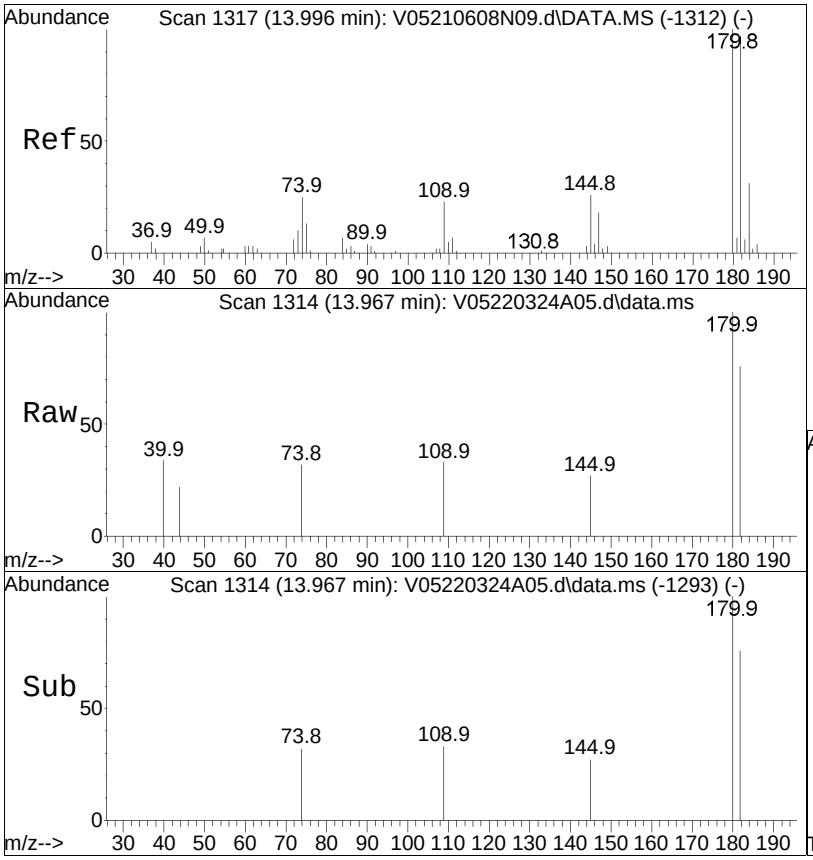


#108
Hexachlorobutadiene
Concen: 0.11 ug/L
RT: 13.928 min Scan# 1310
Delta R.T. -0.000 min
Lab File: V05220324A05.d
Acq: 24 Mar 2022 8:36 am

Tgt Ion:225 Resp: 449

Ion	Ratio	Lower	Upper
225	100		
223	24.9	49.9	74.9#
227	21.2	51.0	76.4#

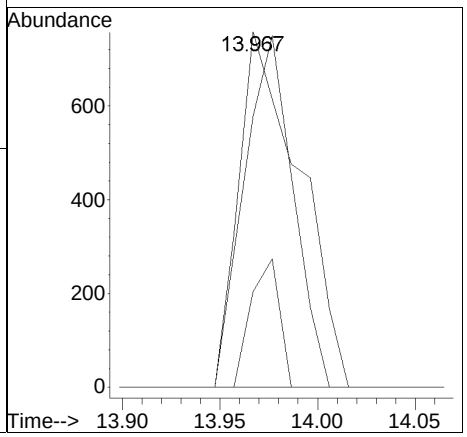


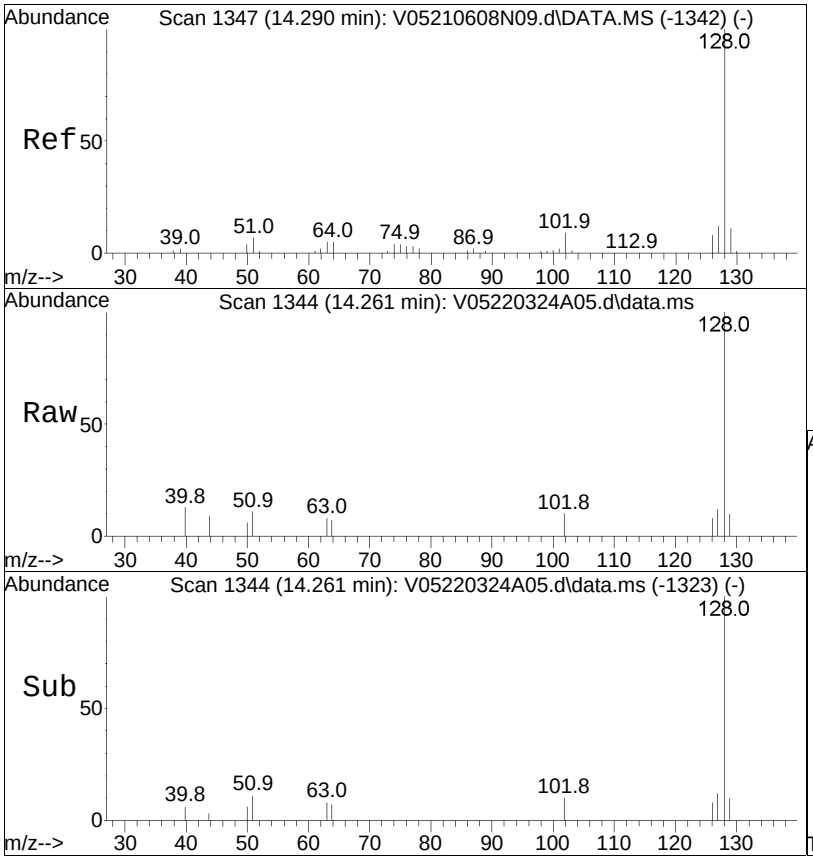


#109
1,2,4-Trichlorobenzene
Concen: 0.20 ug/L
RT: 13.967 min Scan# 1314
Delta R.T. 0.010 min
Lab File: V05220324A05.d
Acq: 24 Mar 2022 8:36 am

Tgt Ion:180 Resp: 1640

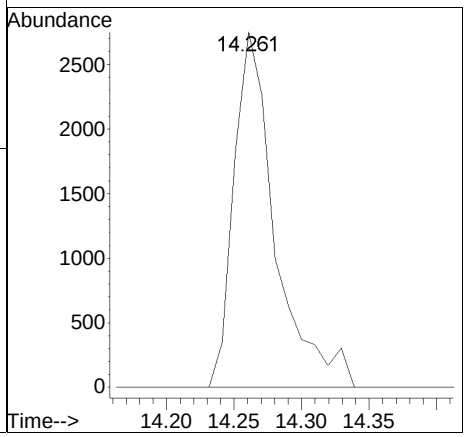
Ion	Ratio	Lower	Upper
180	100		
182	80.2	75.2	112.8
145	17.1	27.4	41.2#

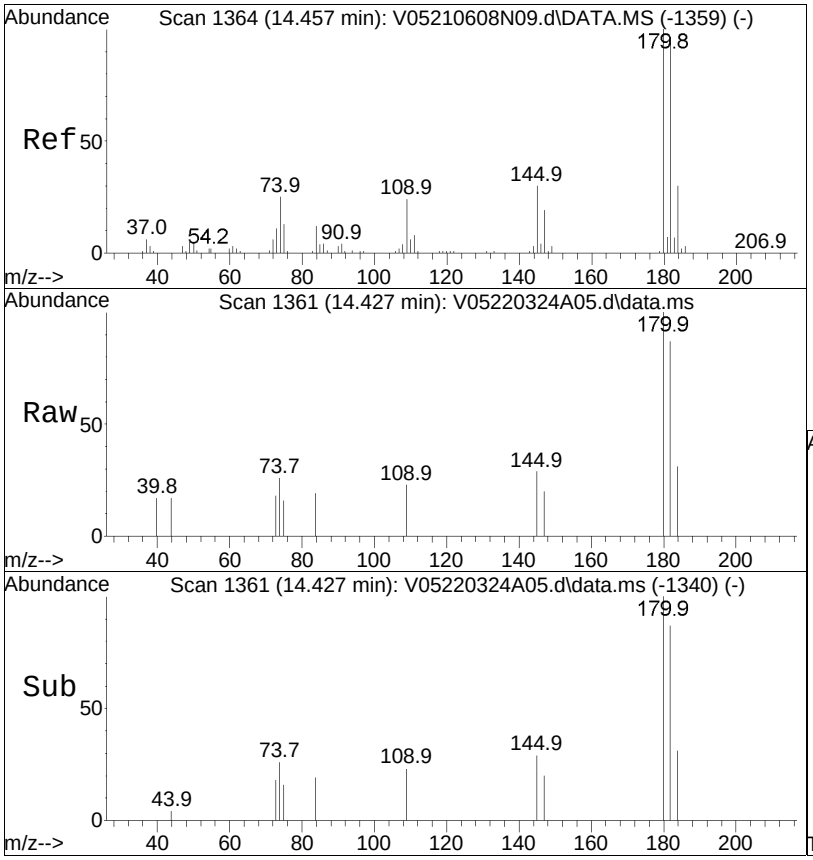




#110
Naphthalene
Concen: 0.37 ug/L
RT: 14.261 min Scan# 1344
Delta R.T. 0.010 min
Lab File: V05220324A05.d
Acq: 24 Mar 2022 8:36 am

Tgt Ion:128 Resp: 5872

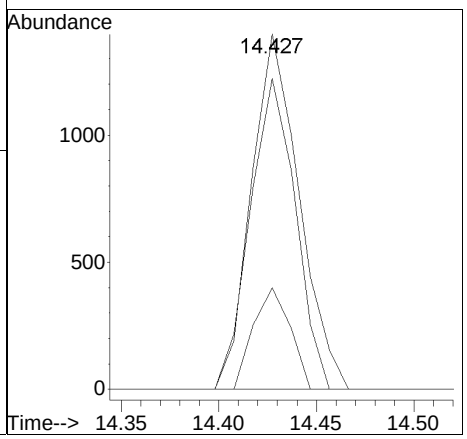




#111
1,2,3-Trichlorobenzene
Concen: 0.35 ug/L
RT: 14.427 min Scan# 1361
Delta R.T. 0.009 min
Lab File: V05220324A05.d
Acq: 24 Mar 2022 8:36 am

Tgt Ion:180 Resp: 2385

Ion	Ratio	Lower	Upper
180	100		
182	82.6	75.5	113.3
145	22.0	26.5	39.7#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA105\2022\2	QMethod	: V105_220208N_8260.m
Data File	: V05220324A05.d	Operator	: VOA105:PD
Date Inj'd	: 3/24/2022 8:36 am	Instrument	: VOA 105
Sample	: WG1619815-5,31,10,10	Quant Date	: 3/24/2022 8:57 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A05.D
Acq On : 29 Mar 2022 8:11 am
Operator : ELAINE:PD
Sample : WG1621241-5,31,10,10
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 08:44:54 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220329A\VE220329A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.312	96	179498	10.000	ug/L	0.00
Standard Area 1 = 198954			Recovery = 90.22%			
59) Chlorobenzene-d5	8.386	117	135915	10.000	ug/L	0.00
Standard Area 1 = 145633			Recovery = 93.33%			
79) 1,4-Dichlorobenzene-d4	9.894	152	68923	10.000	ug/L	0.00
Standard Area 1 = 74897			Recovery = 92.02%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.296	113	42895	9.746	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.46%			
43) 1,2-Dichloroethane-d4	4.958	65	53116	10.168	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.68%			
60) Toluene-d8	7.042	98	174665	9.804	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.04%			
83) 4-Bromofluorobenzene	9.221	95	66267	10.099	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.99%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	1.007	50	249	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.250	94	132	0.100	ug/L	89
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	1.770	76	196	N.D.		
15) Methylene chloride	2.229	84	108	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A05.D
Acq On : 29 Mar 2022 8:11 am
Operator : ELAINE:PD
Sample : WG1621241-5,31,10,10
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 08:44:54 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220329A\VE220329A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	5.403	95	179		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	8.200	43	84		N.D.	
73) Chlorobenzene	8.400	112	58		N.D.	
74) Ethylbenzene	8.550	91	614		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	8.553	106	173		N.D.	
77) o Xylene	8.839	106	128		N.D.	
78) Styrene	8.881	104	268		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	9.051	105	131		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	9.315	91	451		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	9.385	105	527		N.D.	
89) 2-Chlorotoluene	9.399	91	173		N.D.	
90) 1,3,5-Trimethylbenzene	9.440	105	296		N.D.	
91) 1,2,3-Trichloropropane	9.496	75	57		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	9.504	91	311		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A05.D
Acq On : 29 Mar 2022 8:11 am
Operator : ELAINE:PD
Sample : WG1621241-5,31,10,10
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 08:44:54 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220329A\VE220329A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	1,2,4-Trimethylbenzene	9.669	105	559	N.D.			
98)	sec-Butylbenzene	9.733	105	267	N.D.			
99)	p-Isopropyltoluene	0.000		0	N.D.	d		
100)	1,3-Dichlorobenzene	9.852	146	277	N.D.			
101)	1,4-Dichlorobenzene	9.905	146	271	N.D.			
102)	p-Diethylbenzene	10.030	119	159	N.D.			
103)	n-Butylbenzene	0.000		0	N.D.	d		
104)	1,2-Dichlorobenzene	10.147	146	252	N.D.			
105)	1,2,4,5-Tetramethylben...	10.487	119	198	N.D.			
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
108)	Hexachlorobutadiene	0.000		0	N.D.			
109)	1,2,4-Trichlorobenzene	10.976	180	335	0.101	ug/L	#	72
110)	Naphthalene	11.157	128	1894	0.505	ug/L		100
111)	1,2,3-Trichlorobenzene	11.257	180	324	0.106	ug/L	#	63

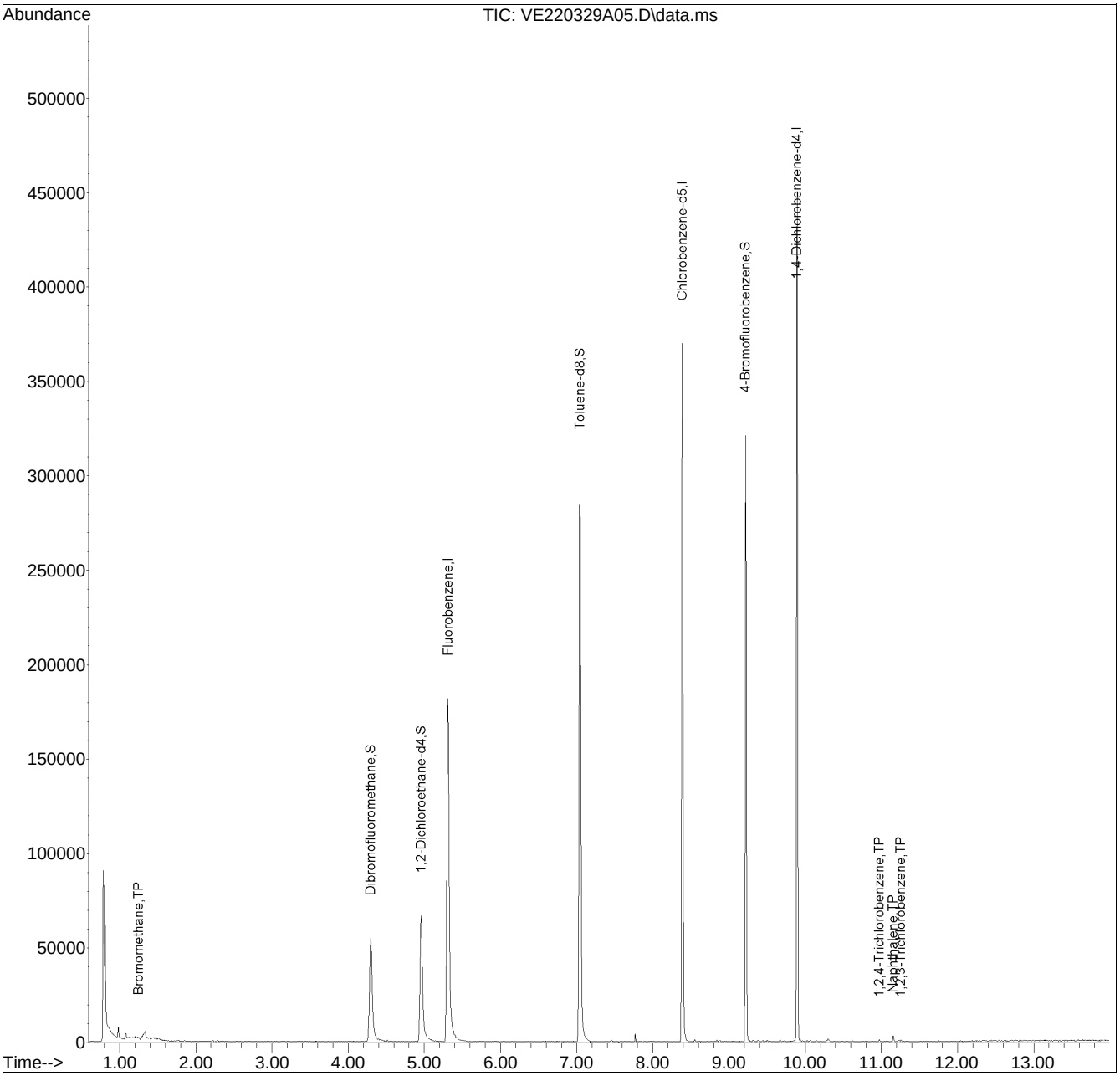
(#) = qualifier out of range (m) = manual integration (+) = signals summed

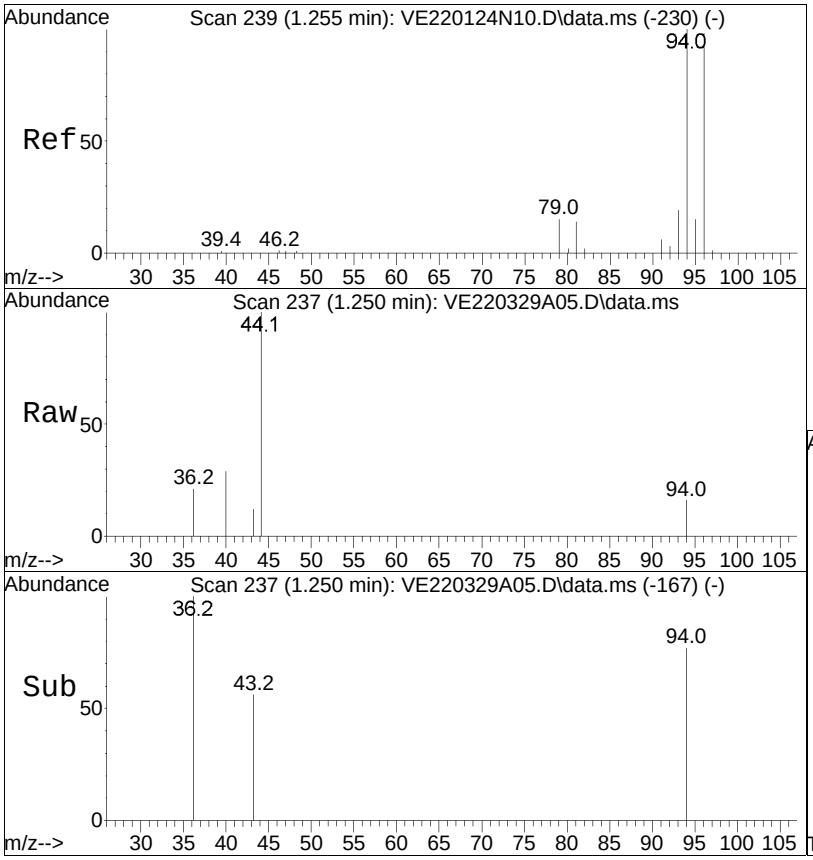
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A05.D
Acq On : 29 Mar 2022 8:11 am
Operator : ELAINE:PD
Sample : WG1621241-5,31,10,10
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 08:44:54 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

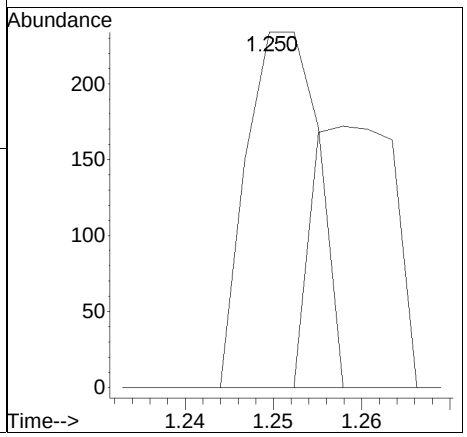


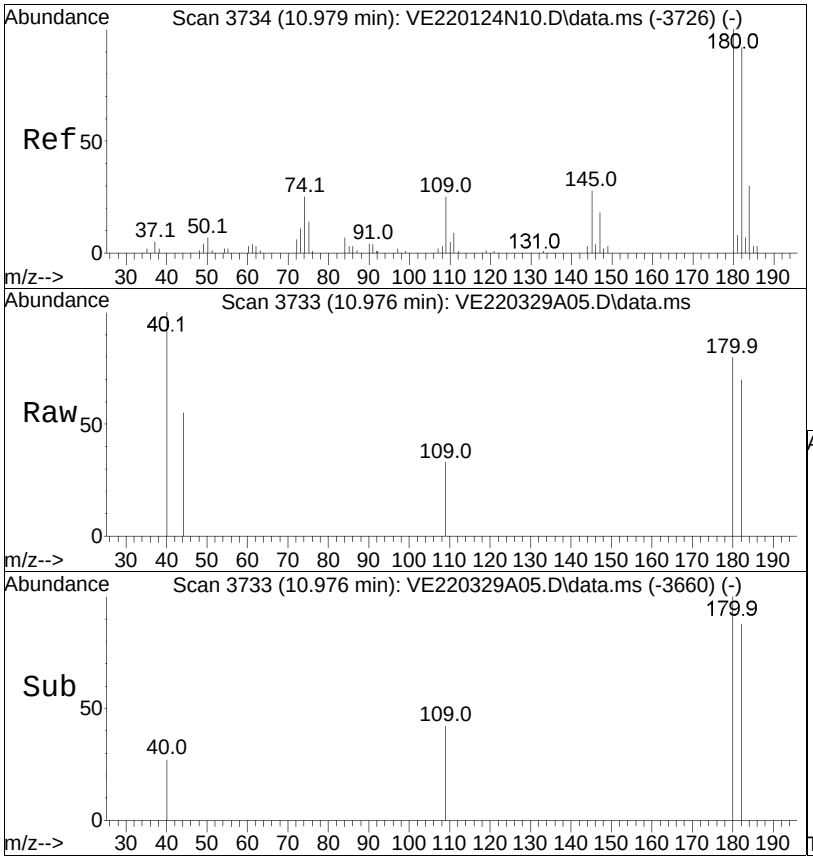


#5
Bromomethane
Concen: 0.10 ug/L
RT: 1.250 min Scan# 237
Delta R.T. -0.005 min
Lab File: VE220329A05.D
Acq: 29 Mar 2022 8:11 am

Tgt Ion: 94 Resp: 132

Ion	Ratio	Lower	Upper
94	100		
96	84.8	75.6	115.6

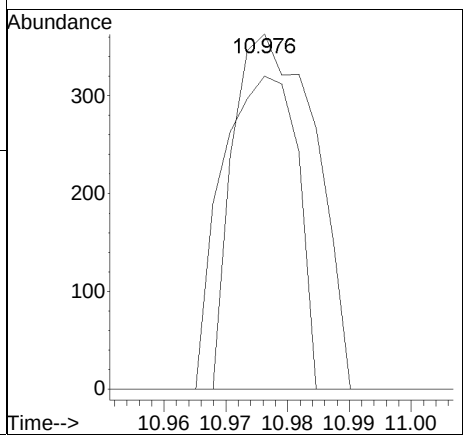


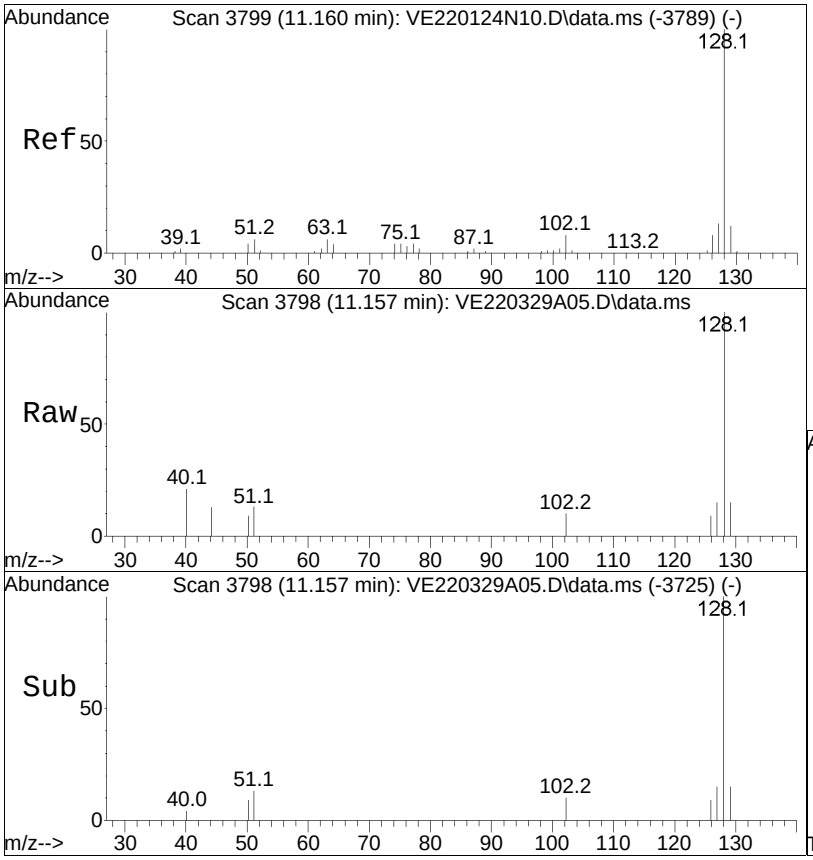


#109
1,2,4-Trichlorobenzene
Concen: 0.10 ug/L
RT: 10.976 min Scan# 3733
Delta R.T. 0.003 min
Lab File: VE220329A05.D
Acq: 29 Mar 2022 8:11 am

Tgt Ion:180 Resp: 335

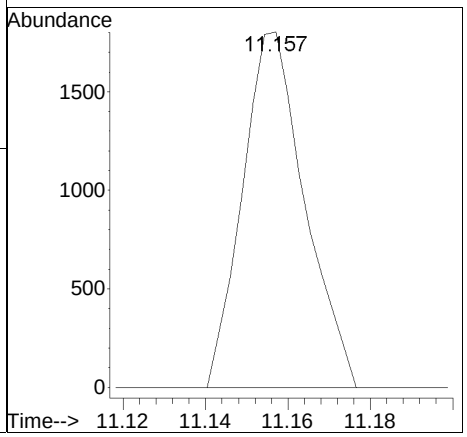
Ion	Ratio	Lower	Upper
180	100		
182	80.9	77.3	115.9
145	0.0	28.1	42.1#

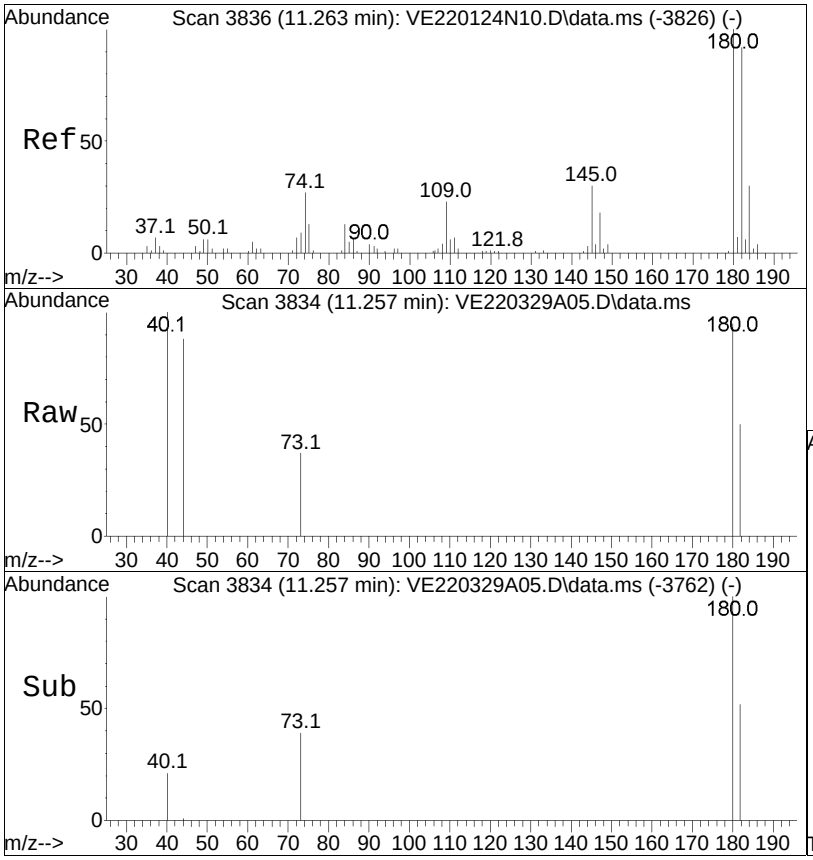




#110
Naphthalene
Concen: 0.50 ug/L
RT: 11.157 min Scan# 3798
Delta R.T. 0.003 min
Lab File: VE220329A05.D
Acq: 29 Mar 2022 8:11 am

Tgt Ion:128 Resp: 1894

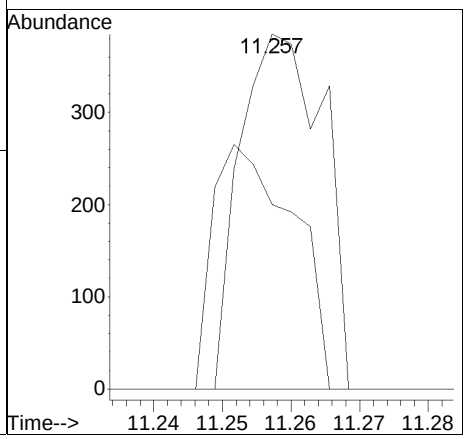




#111
1,2,3-Trichlorobenzene
Concen: 0.11 ug/L
RT: 11.257 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VE220329A05.D
Acq: 29 Mar 2022 8:11 am

Tgt Ion:180 Resp: 324

Ion	Ratio	Lower	Upper
180	100		
182	66.7	76.4	114.6#
145	0.0	26.4	39.6#



Manual Integration Report

Data Path	: I:\VOLATILES\Elaine\2022\2Q	Method	: Elaine_220316N_8260.m
Data File	: VE220329A05.D	Operator	: ELAINE:PD
Date Inj'd	: 3/29/2022 8:11 am	Instrument	: Elaine
Sample	: WG1621241-5,31,10,10	Quant Date	: 3/29/2022 8:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A01.D
Acq On : 23 Mar 2022 09:24 am
Operator : VOA122:PD
Sample : WG1619277-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 23 10:07:33 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.594	96	208471	10.000	ug/L	0.00
Standard Area 1 = 208471			Recovery = 100.00%			
62) Chlorobenzene-d5	9.107	117	173941	10.000	ug/L	0.00
Standard Area 1 = 173941			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	11.908	152	105828	10.000	ug/L	0.00
Standard Area 1 = 105828			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.795	113	67417	10.234	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.34%			
46) 1,2-Dichloroethane-d4	5.314	65	66383	10.274	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.74%			
63) Toluene-d8	7.276	98	209416	9.763	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.63%			
87) 4-Bromofluorobenzene	10.646	95	82247	8.606	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.06%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.442	85	47963	8.723	ug/L #	96
3) Chloromethane	1.623	50	54414	10.499	ug/L	97
4) Vinyl chloride	1.672	62	68716	12.811	ug/L	99
5) Bromomethane	1.951	94	31694	15.131	ug/L	97
6) Chloroethane	2.055	64	59672	17.538	ug/L	97
7) Trichlorofluoromethane	2.188	101	87209	10.996	ug/L	100
8) Ethyl ether	2.460	74	19458	9.087	ug/L #	1
10) 1,1-Dichloroethene	2.641	96	47402	10.769	ug/L	80
11) Carbon disulfide	2.669	76	118407	10.021	ug/L	99
15) Methylene chloride	3.157	84	51653	10.351	ug/L #	74
17) Acetone	3.199	43	8672	9.593	ug/L	97
18) trans-1,2-Dichloroethene	3.310	96	52712	11.089	ug/L	88
21) Methyl tert-butyl ether	3.401	73	73051	8.447	ug/L #	88
25) 1,1-Dichloroethane	3.868	63	98834	11.197	ug/L	96
27) Acrylonitrile	3.910	53	11411	10.335	ug/L	96
29) Vinyl acetate	4.098	43	61979	9.982	ug/L #	89
30) cis-1,2-Dichloroethene	4.370	96	56483	10.536	ug/L #	85
31) 2,2-Dichloropropane	4.474	77	71753	10.833	ug/L	85
32) Bromochloromethane	4.551	128	26563	10.795	ug/L #	76
34) Chloroform	4.628	83	94352	10.194	ug/L #	95

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A01.D
Acq On : 23 Mar 2022 09:24 am
Operator : VOA122:PD
Sample : WG1619277-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 23 10:07:33 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	4.760	117	77627	11.368	ug/L		99
39) 1,1,1-Trichloroethane	4.823	97	82414	10.606	ug/L		94
41) 2-Butanone	4.921	43	9862	8.293	ug/L		91
42) 1,1-Dichloropropene	4.948	75	68561	11.134	ug/L		97
44) Benzene	5.181	78	178287	11.028	ug/L		94
47) 1,2-Dichloroethane	5.380	62	61887	10.696	ug/L		98
51) Trichloroethene	5.772	95	47149	10.468	ug/L		96
53) Dibromomethane	6.193	93	18045	10.430	ug/L		87
54) 1,2-Dichloropropane	6.303	63	45898	11.235	ug/L		97
57) Bromodichloromethane	6.377	83	63310	10.327	ug/L		100
60) 1,4-Dioxane	6.590	88	10943	383.189	ug/L	#	71
61) cis-1,3-Dichloropropene	7.062	75	59293	9.904	ug/L	#	90
64) Toluene	7.334	92	116979	10.406	ug/L		99
65) 4-Methyl-2-pentanone	7.776	58	7609	8.222	ug/L	#	78
66) Tetrachloroethene	7.776	166	57847	10.902	ug/L		94
68) trans-1,3-Dichloropropene	7.813	75	48933	8.178	ug/L		90
71) 1,1,2-Trichloroethane	7.990	83	24570	9.533	ug/L		98
72) Chlorodibromomethane	8.196	129	32533	10.947	ug/L		98
73) 1,3-Dichloropropane	8.314	76	52202	9.812	ug/L		98
74) 1,2-Dibromoethane	8.473	107	30148	9.368	ug/L		98
76) 2-Hexanone	8.782	43	12147	6.370	ug/L		91
77) Chlorobenzene	9.123	112	135566	10.455	ug/L		90
78) Ethylbenzene	9.171	91	232745	10.266	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.210	131	41792	9.387	ug/L		97
80) p/m Xylene	9.361	106	187133	20.936	ug/L		98
81) o Xylene	9.908	106	174384	20.399	ug/L		97
82) Styrene	9.972	104	281102	19.929	ug/L		100
84) Bromoform	9.987	173	26526	9.021	ug/L		100
86) Isopropylbenzene	10.313	105	243871	9.207	ug/L		98
88) Bromobenzene	10.757	156	61331	9.840	ug/L		99
89) n-Propylbenzene	10.820	91	295240	9.632	ug/L		98
91) 1,1,2,2-Tetrachloroethane	10.907	83	38775	9.315	ug/L		97
92) 4-Ethyltoluene	10.955	105	234063	9.138	ug/L		99
93) 2-Chlorotoluene	10.987	91	195737	9.360	ug/L		99
94) 1,3,5-Trimethylbenzene	11.058	105	195777	9.094	ug/L		98
95) 1,2,3-Trichloropropane	11.050	75	30606	8.957	ug/L		98
96) trans-1,4-Dichloro-2-b...	11.114	53	10207M1	7.763	ug/L		
97) 4-Chlorotoluene	11.177	91	173075	9.252	ug/L		99
98) tert-Butylbenzene	11.414	119	127141	8.313	ug/L		99

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A01.D
Acq On : 23 Mar 2022 09:24 am
Operator : VOA122:PD
Sample : WG1619277-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 23 10:07:33 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.491	105	191471	9.051	ug/L	100
102) sec-Butylbenzene	11.609	105	259454	9.543	ug/L	98
103) p-Isopropyltoluene	11.769	119	216152	9.221	ug/L	98
104) 1,3-Dichlorobenzene	11.825	146	125911	10.048	ug/L	98
105) 1,4-Dichlorobenzene	11.922	146	126928	10.018	ug/L	99
106) p-Diethylbenzene	12.159	119	121982	8.946	ug/L	99
107) n-Butylbenzene	12.214	91	185995	9.849	ug/L	98
108) 1,2-Dichlorobenzene	12.354	146	111128	9.738	ug/L	98
109) 1,2,4,5-Tetramethylben...	12.966	119	163107	8.169	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.147	155	6047	8.505	ug/L	100
112) Hexachlorobutadiene	13.774	225	31285	11.673	ug/L	98
113) 1,2,4-Trichlorobenzene	13.788	180	63797	9.622	ug/L	99
114) Naphthalene	14.080	128	113767	7.570	ug/L	100
115) 1,2,3-Trichlorobenzene	14.254	180	55048	9.659	ug/L	99

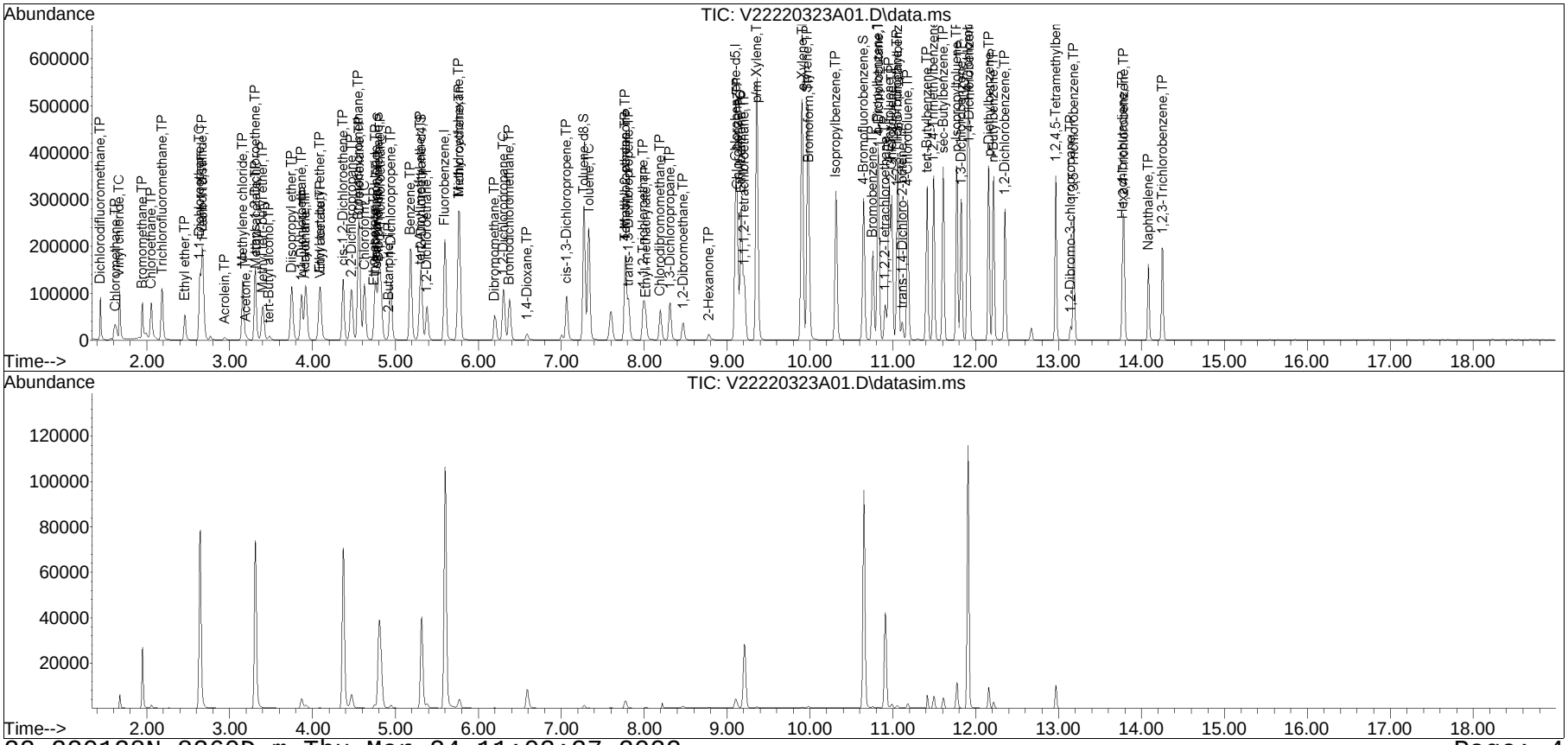
(#) = qualifier out of range (m) = manual integration (+) = signals summed

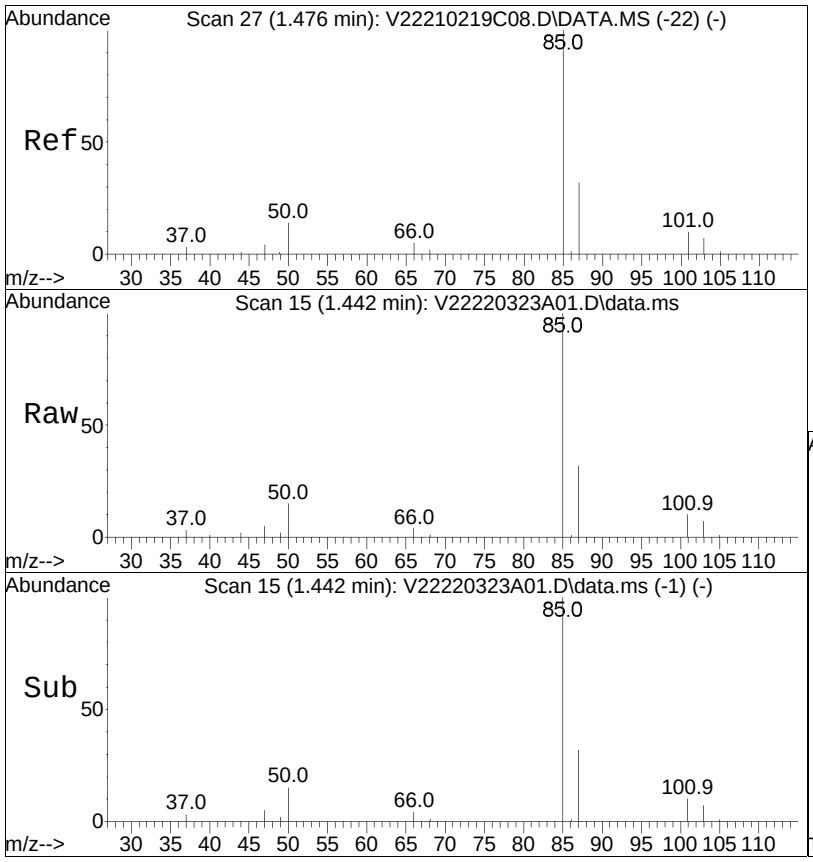
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A01.D
Acq On : 23 Mar 2022 09:24 am
Operator : VOA122:PD
Sample : WG1619277-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 23 10:07:33 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

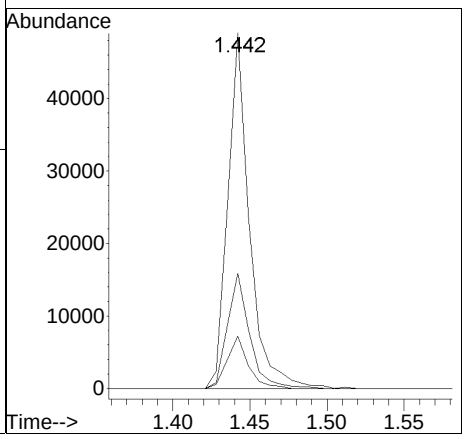


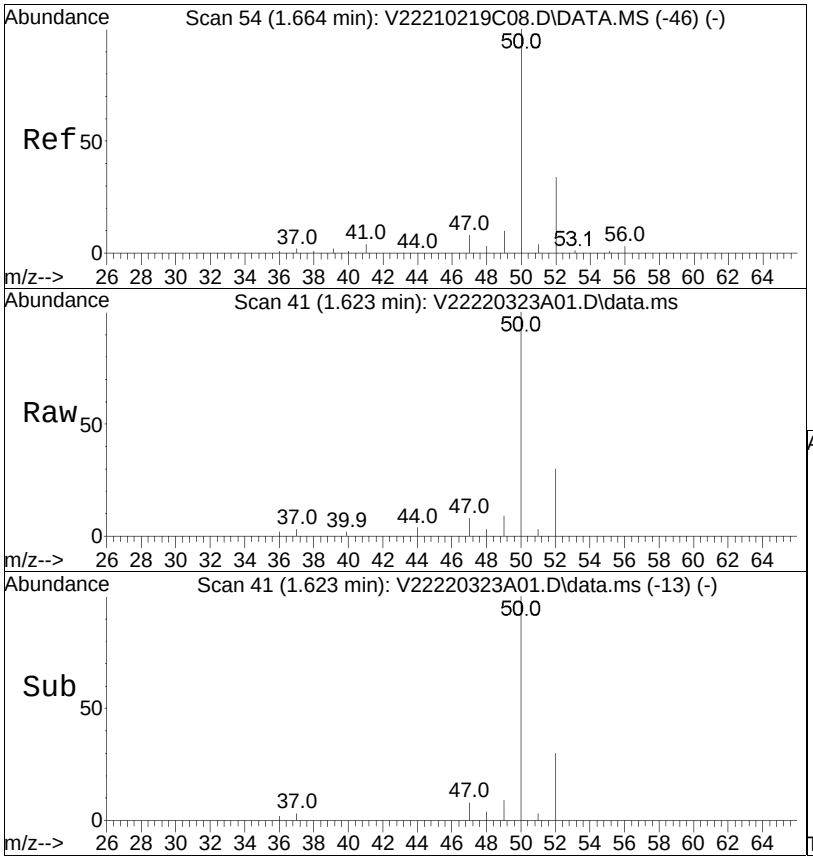


#2
Dichlorodifluoromethane
Concen: 8.72 ug/L
RT: 1.442 min Scan# 15
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 85 Resp: 47963

Ion	Ratio	Lower	Upper
85	100		
87	33.0	20.7	42.9
50	14.3	6.8	14.2#

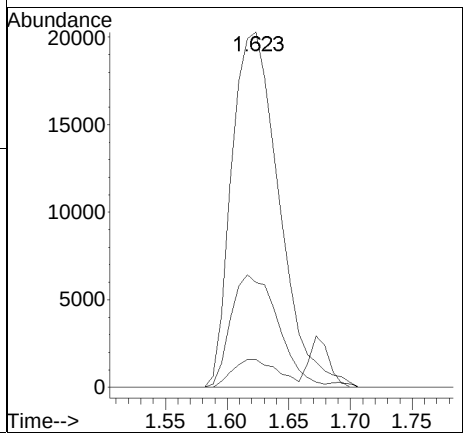


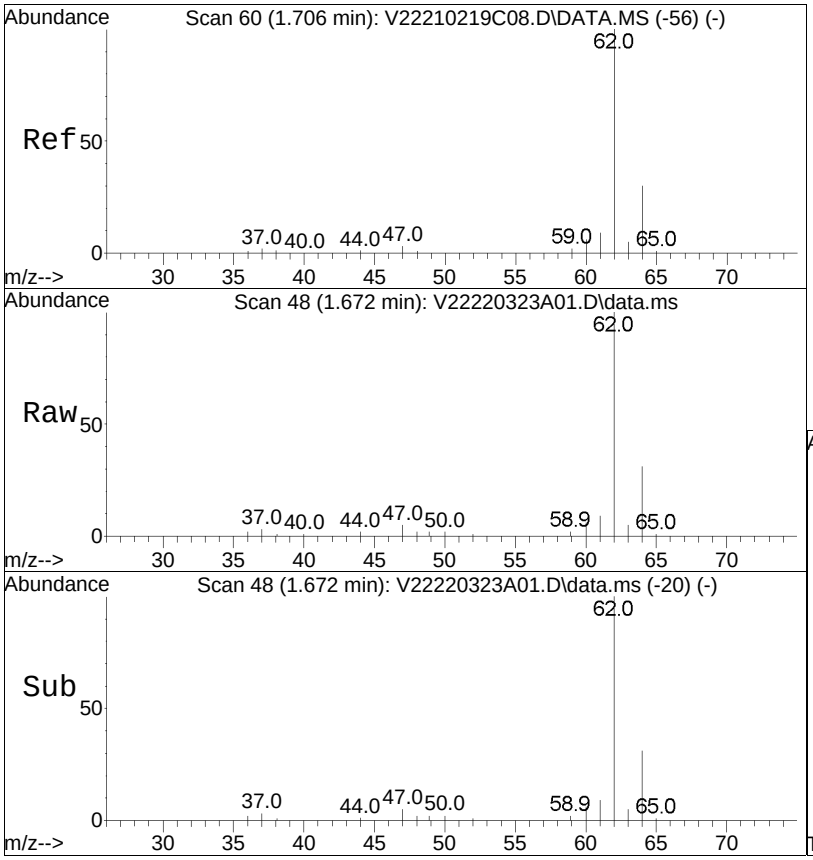


#3
Chloromethane
Concen: 10.50 ug/L
RT: 1.623 min Scan# 41
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 50 Resp: 54414

Ion	Ratio	Lower	Upper
50	100		
52	32.1	12.8	52.8
47	7.6	0.0	30.0

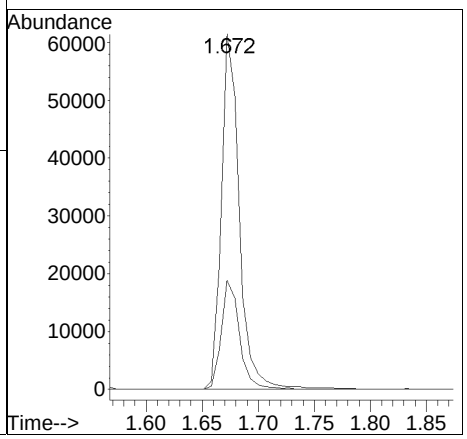


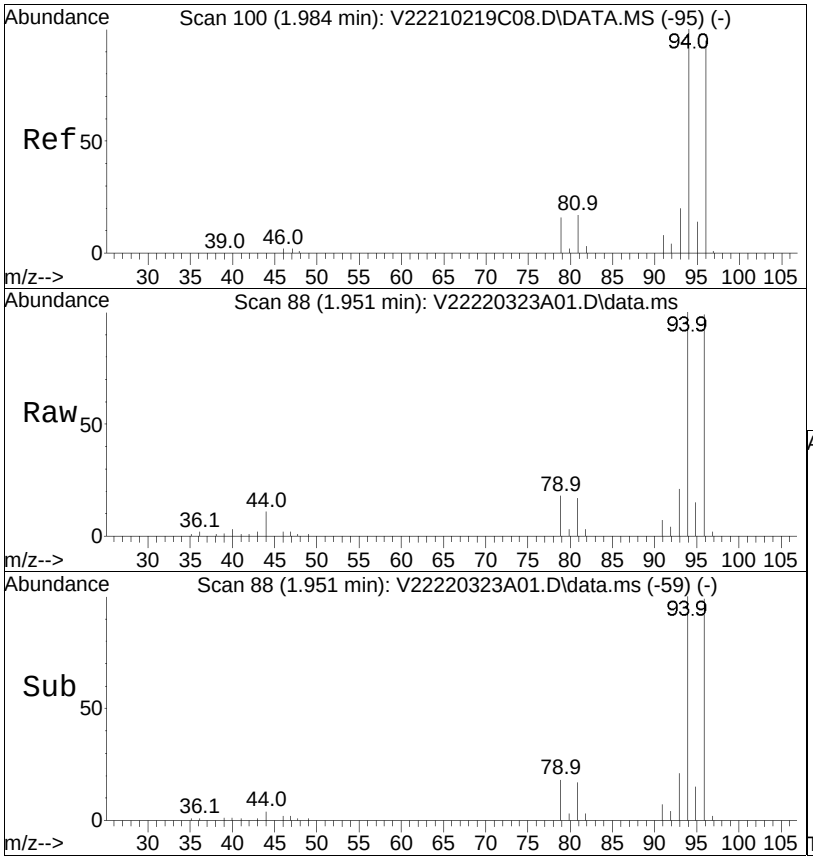


#4
Vinyl chloride
Concen: 12.81 ug/L
RT: 1.672 min Scan# 48
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 62 Resp: 68716

Ion	Ratio	Lower	Upper
62	100		
64	31.2	12.0	52.0

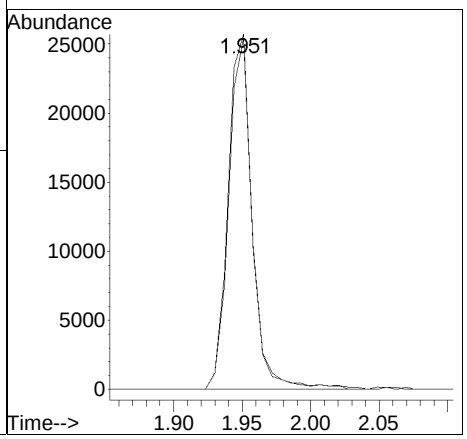


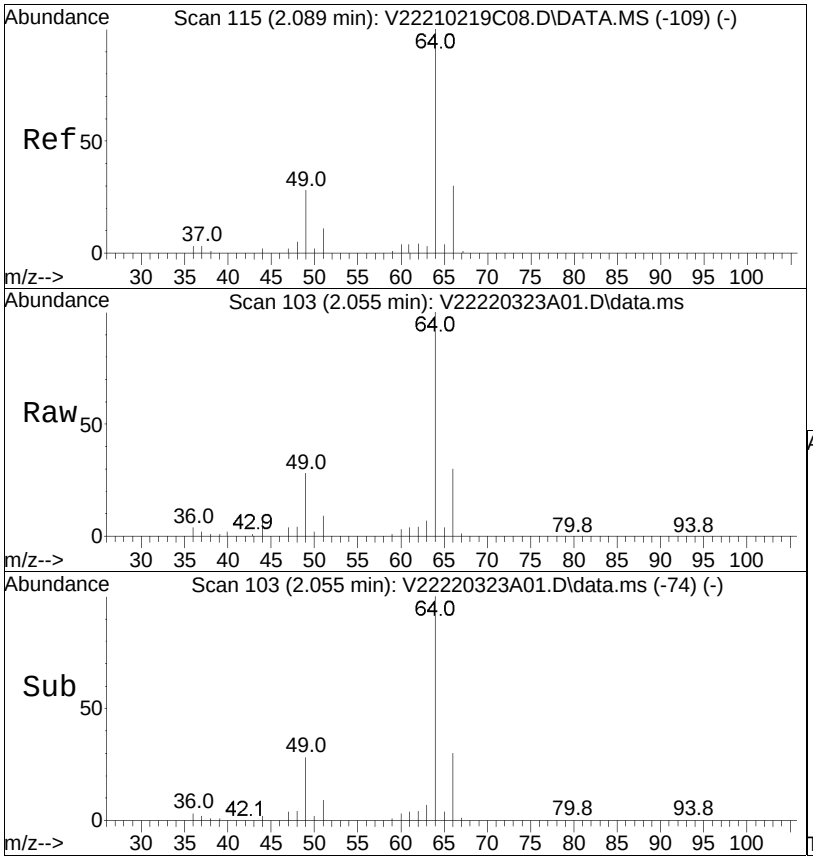


#5
Bromomethane
Concen: 15.13 ug/L
RT: 1.951 min Scan# 88
Delta R.T. -0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 94 Resp: 31694

Ion	Ratio	Lower	Upper
94	100		
96	95.5	72.8	112.8

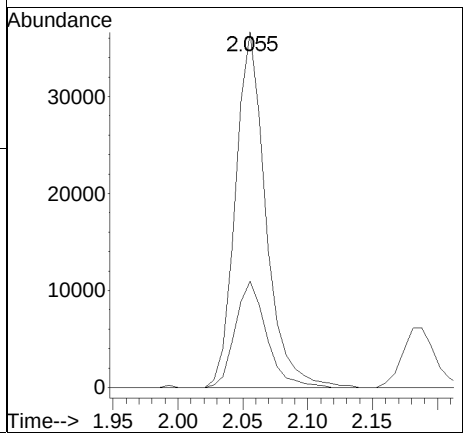


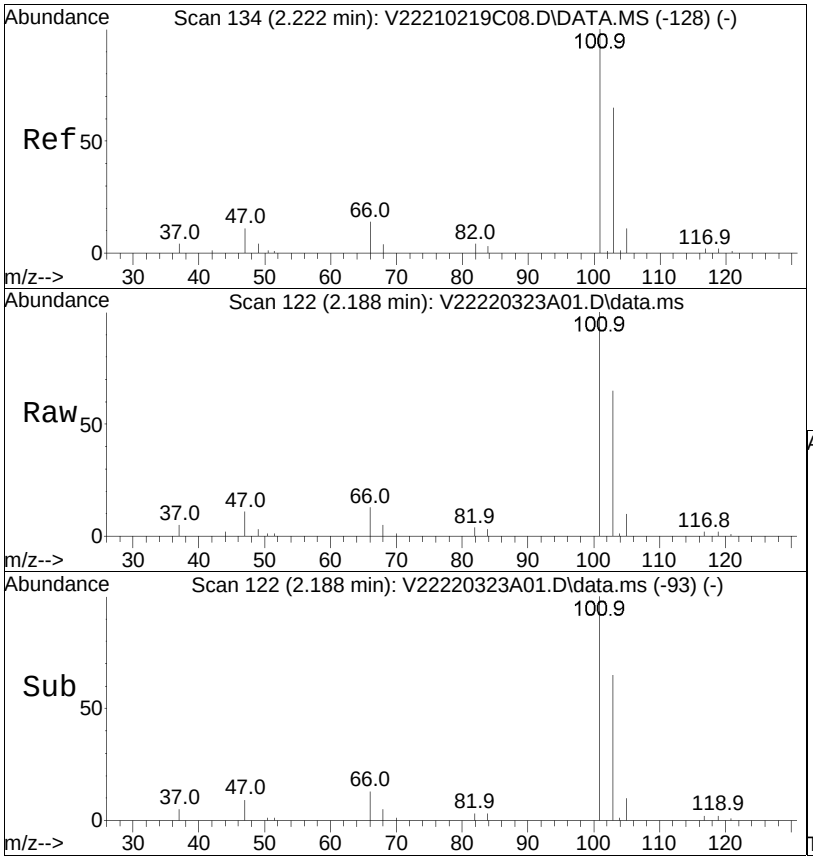


#6
Chloroethane
Concen: 17.54 ug/L
RT: 2.055 min Scan# 103
Delta R.T. -0.001 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 64 Resp: 59672

Ion	Ratio	Lower	Upper
64	100		
66	30.7	12.2	52.2

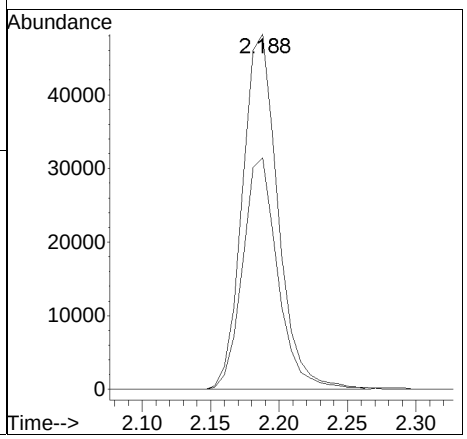


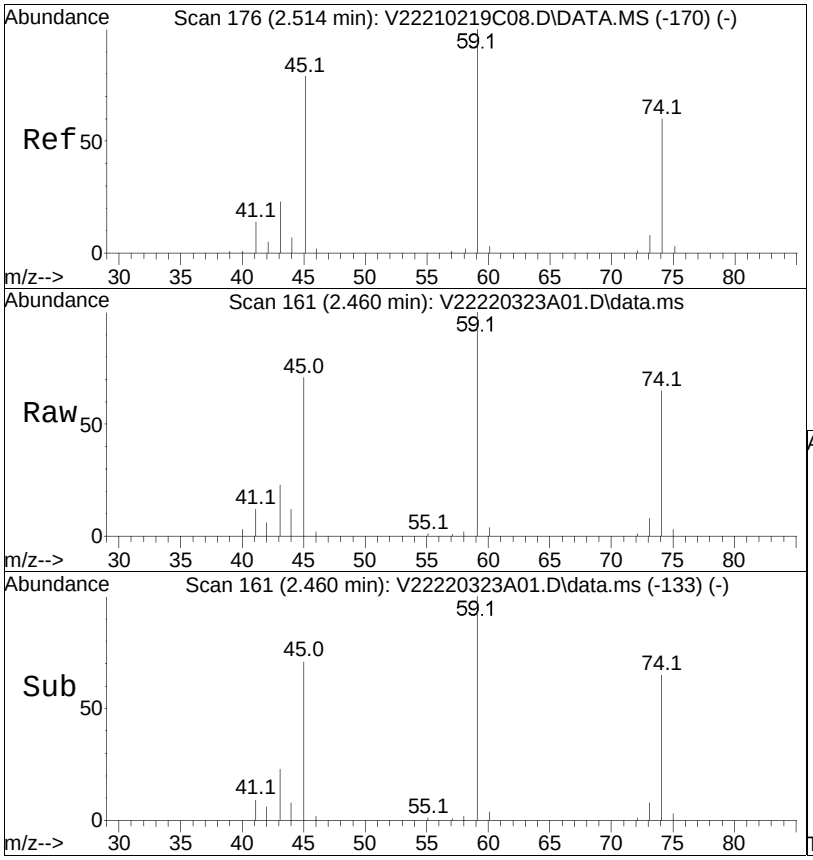


#7
Trichlorofluoromethane
Concen: 11.00 ug/L
RT: 2.188 min Scan# 122
Delta R.T. -0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:101 Resp: 87209

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.6	77.4

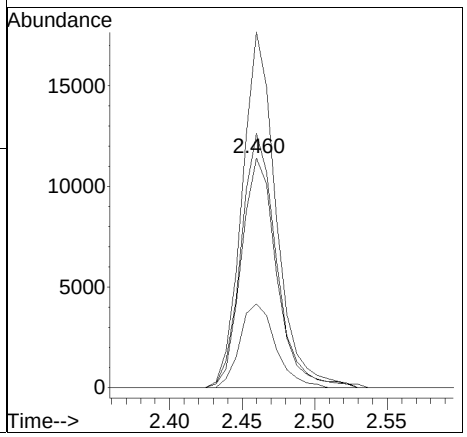


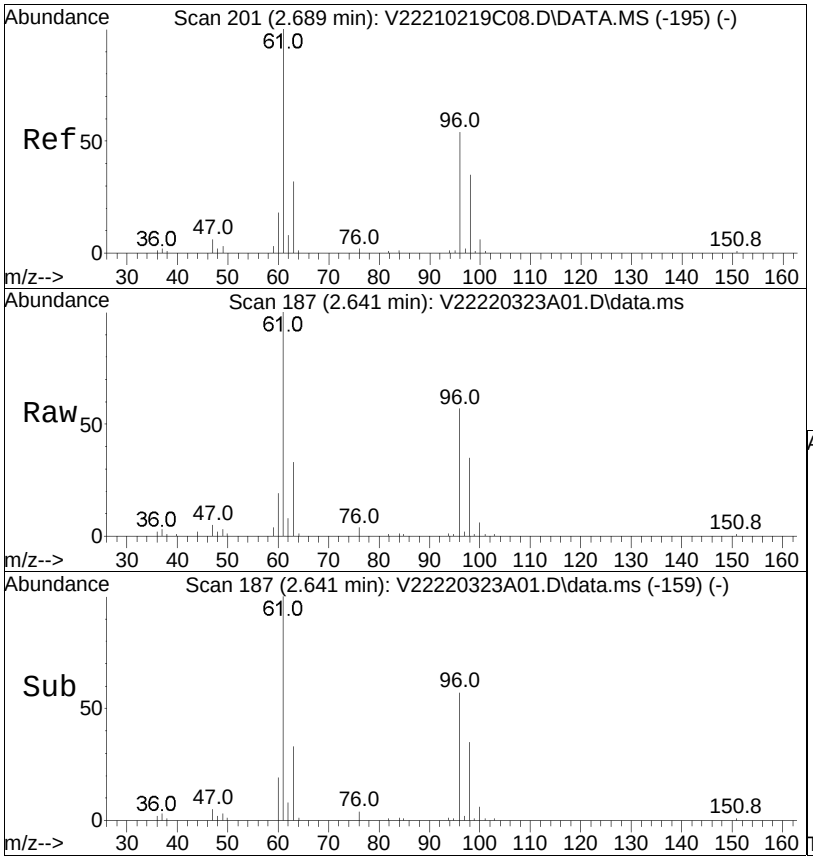


#8
Ethyl ether
Concen: 9.09 ug/L
RT: 2.460 min Scan# 161
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 74 Resp: 19458

Ion	Ratio	Lower	Upper
74	100		
59	148.7	2122.4	4408.0#
45	110.0	1435.1	2980.5#
43	36.5	407.9	847.3#

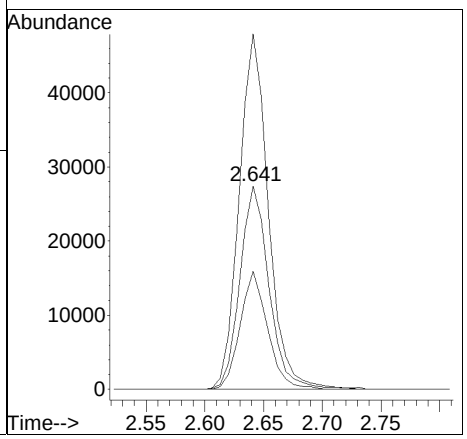


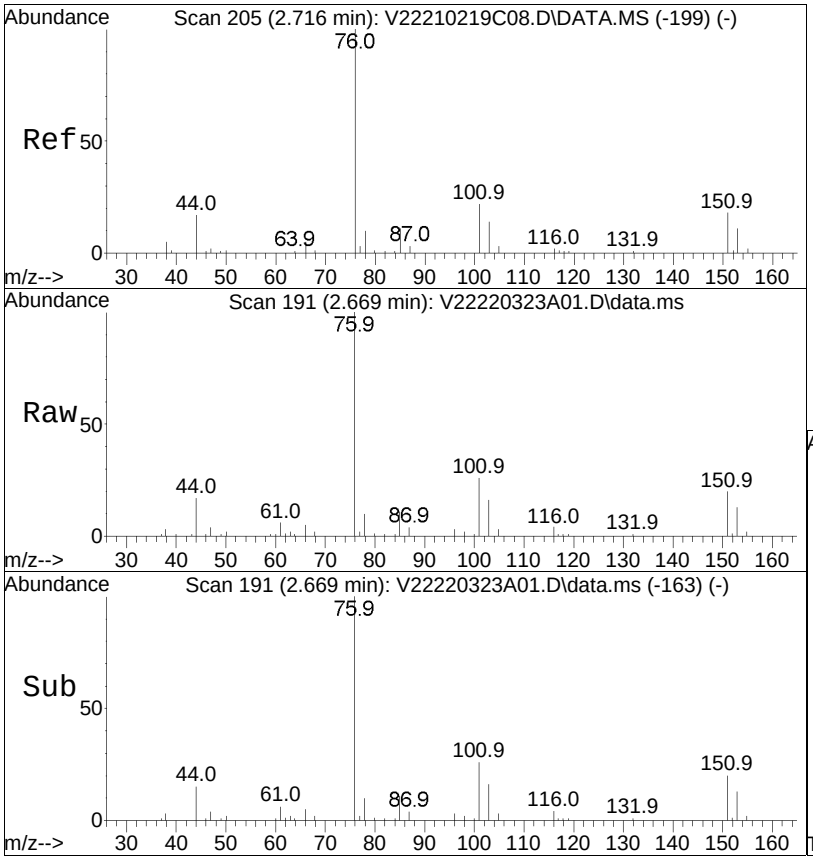


#10
1,1-Dichloroethene
Concen: 10.77 ug/L
RT: 2.641 min Scan# 187
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 96 Resp: 47402

Ion	Ratio	Lower	Upper
96	100		
61	174.9	117.0	175.4
63	54.7	37.8	56.6

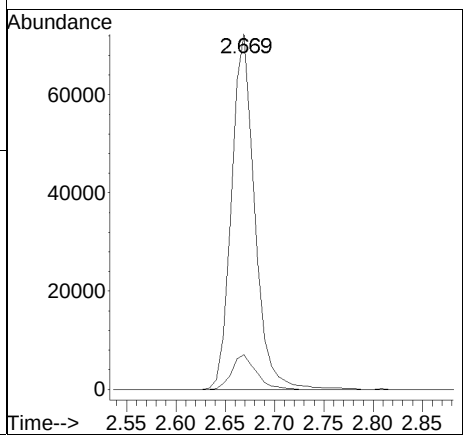


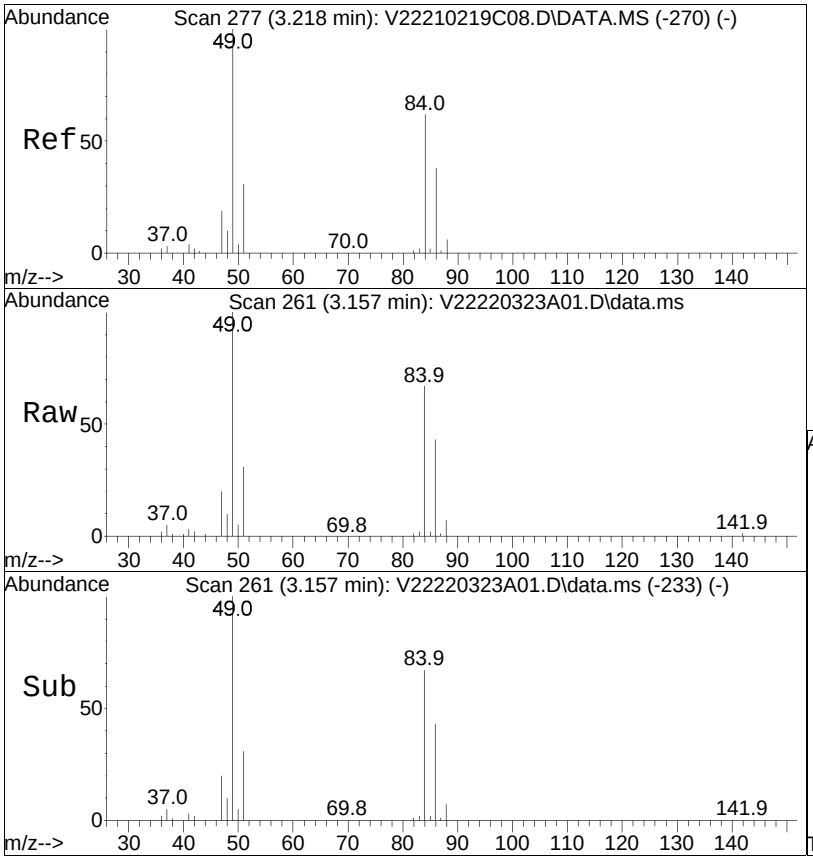


#11
Carbon disulfide
Concen: 10.02 ug/L
RT: 2.669 min Scan# 191
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 76 Resp: 118407

Ion	Ratio	Lower	Upper
76	100		
78	10.2	6.4	13.4

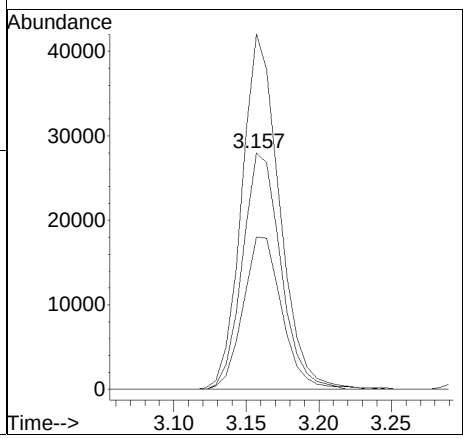


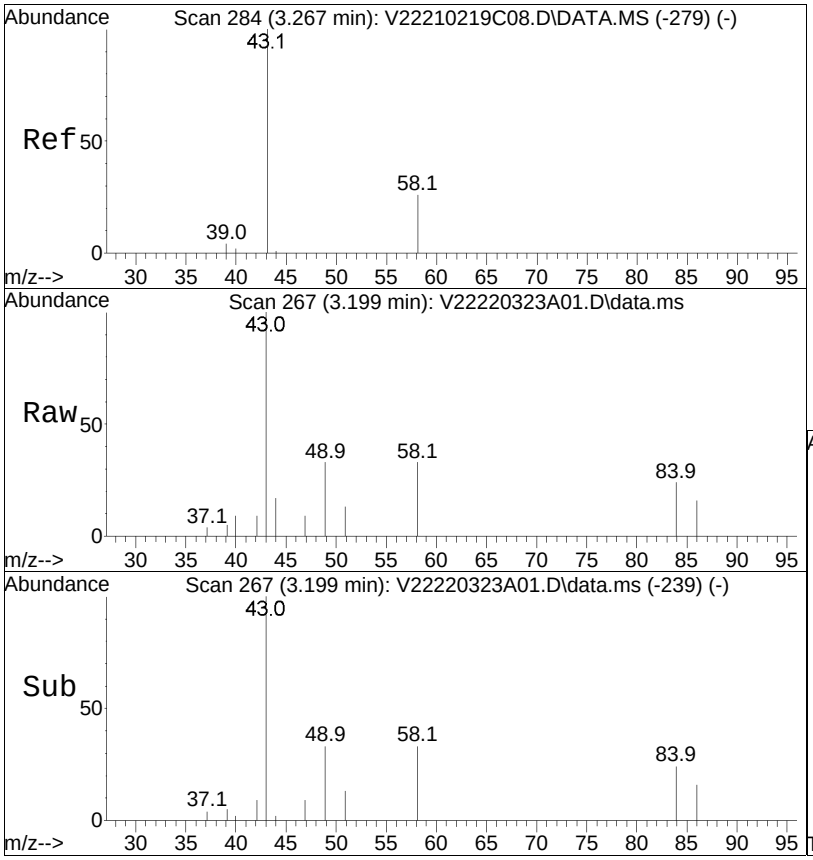


#15
Methylene chloride
Concen: 10.35 ug/L
RT: 3.157 min Scan# 261
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 84 Resp: 51653

Ion	Ratio	Lower	Upper
84	100		
86	64.8	41.5	86.3
49	148.0	68.8	143.0#

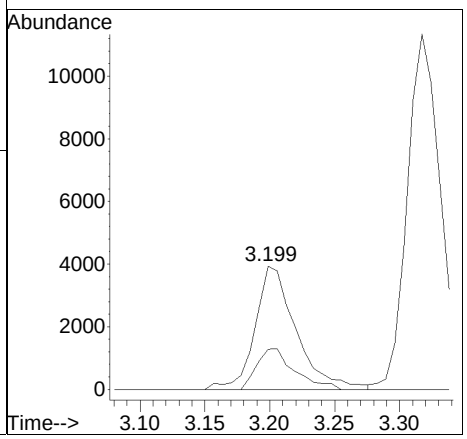


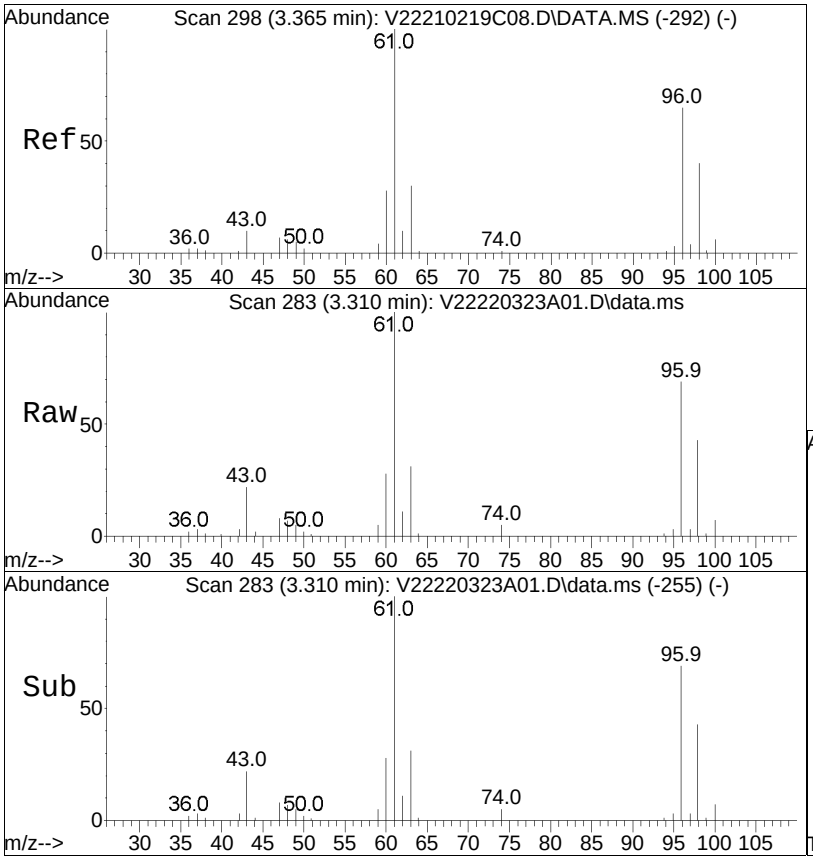


#17
Acetone
Concen: 9.59 ug/L
RT: 3.199 min Scan# 267
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 43 Resp: 8672

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.1	34.7

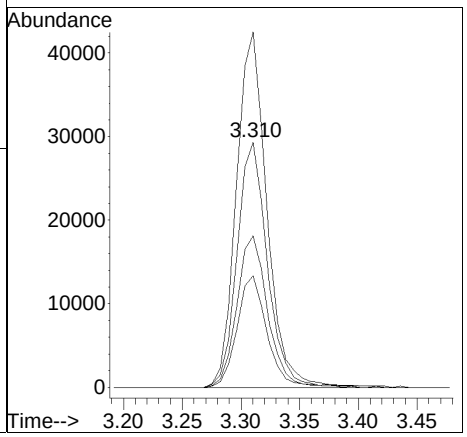


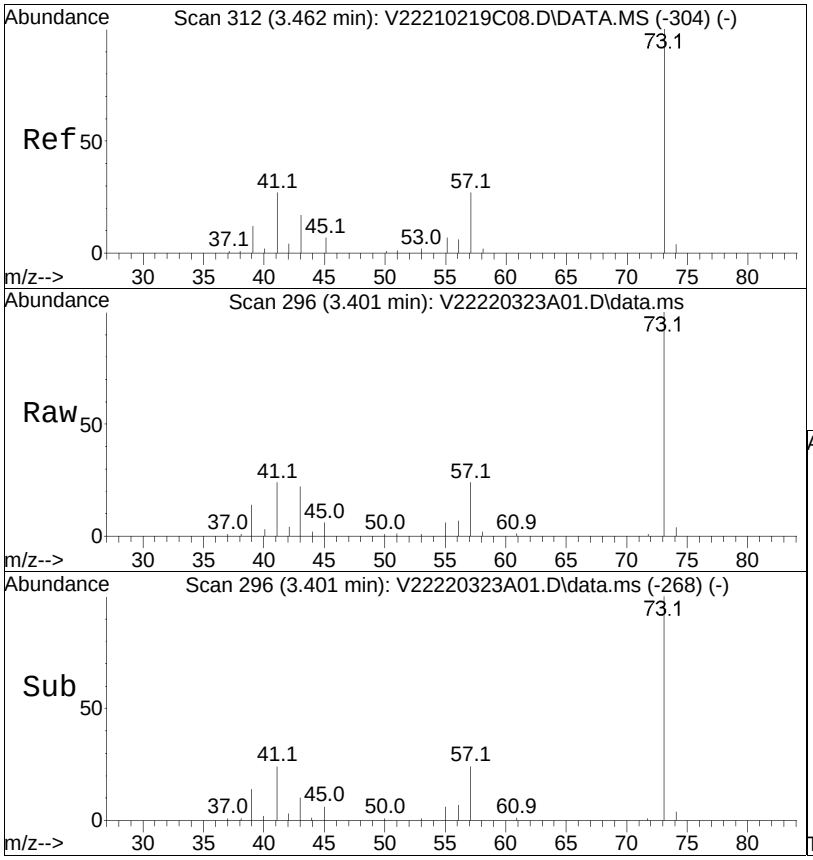


#18
trans-1,2-Dichloroethene
Concen: 11.09 ug/L
RT: 3.310 min Scan# 283
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 96 Resp: 52712

Ion	Ratio	Lower	Upper
96	100		
61	146.2	81.6	169.6
98	62.7	41.8	86.8
63	45.1	26.3	54.7

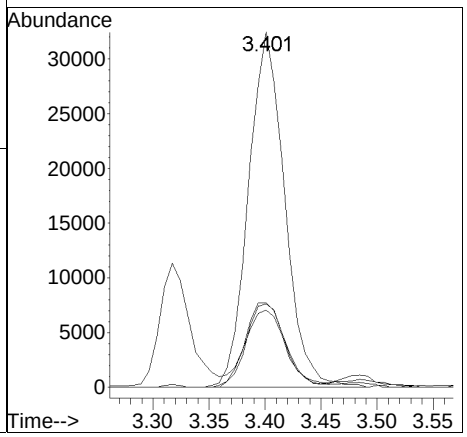


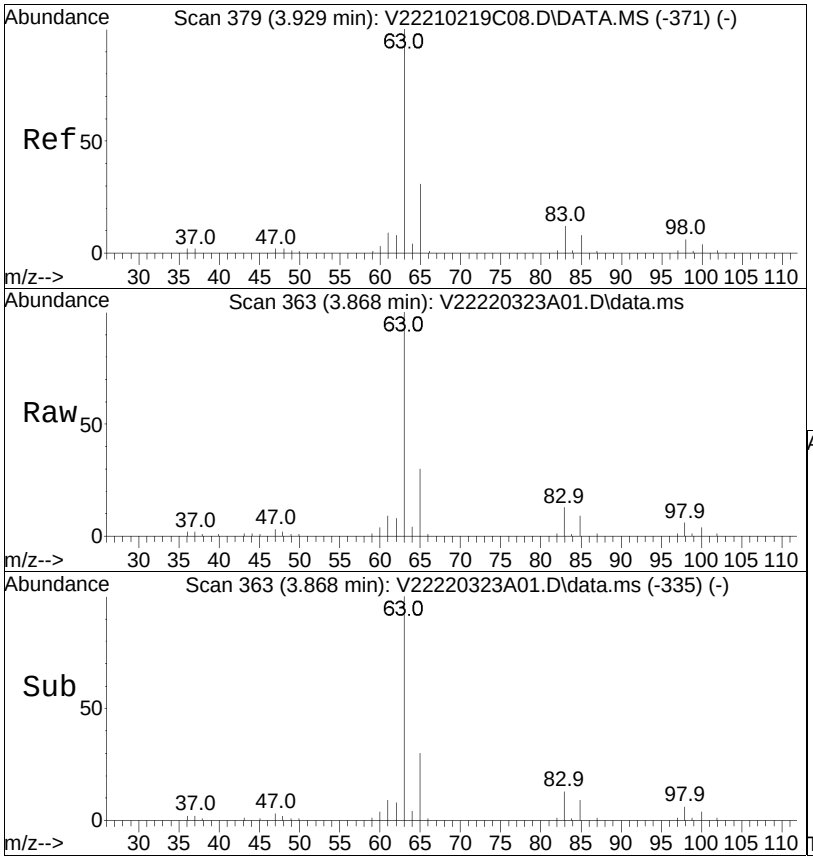


#21
Methyl tert-butyl ether
Concen: 8.45 ug/L
RT: 3.401 min Scan# 296
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 73 Resp: 73051

Ion	Ratio	Lower	Upper
73	100		
57	25.2	13.6	28.2
43	23.8	12.7	26.5
41	26.3	11.4	23.8#

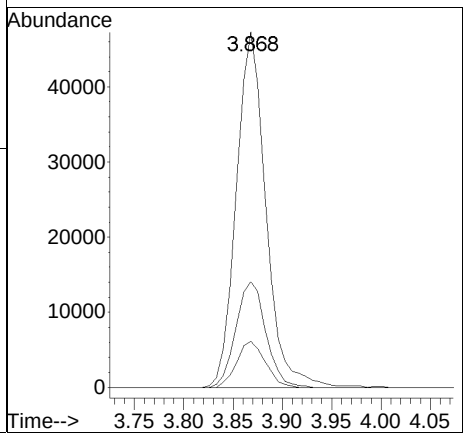


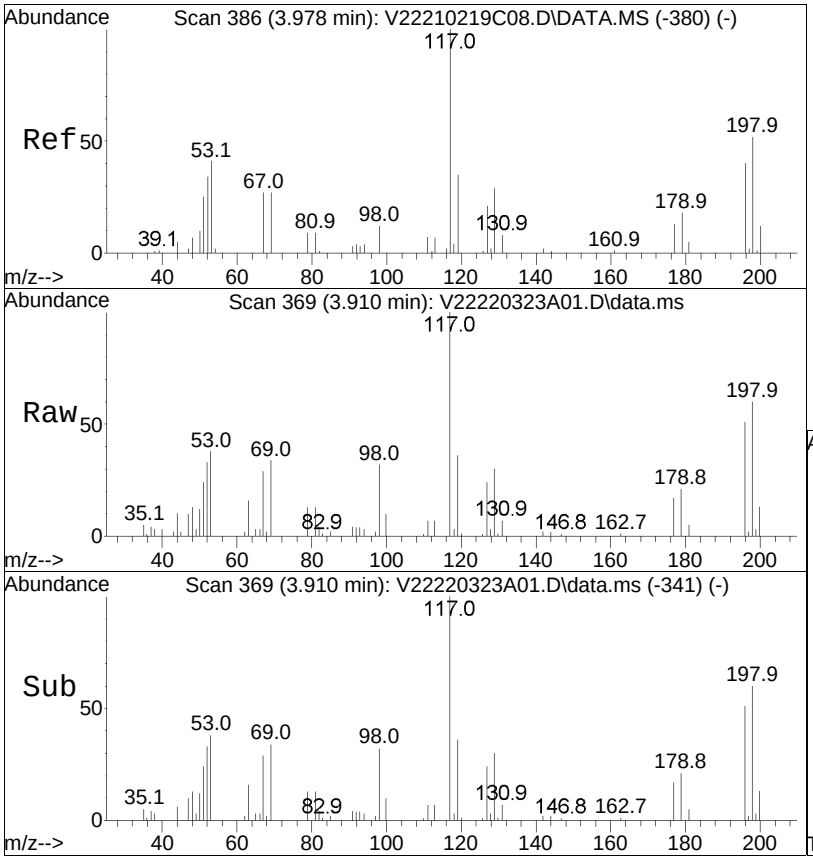


#25
1,1-Dichloroethane
Concen: 11.20 ug/L
RT: 3.868 min Scan# 363
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 63 Resp: 98834

Ion	Ratio	Lower	Upper
63	100		
65	30.0	11.9	51.9
83	12.5	0.0	34.2

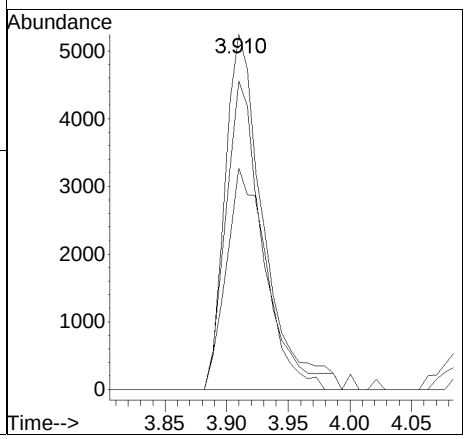


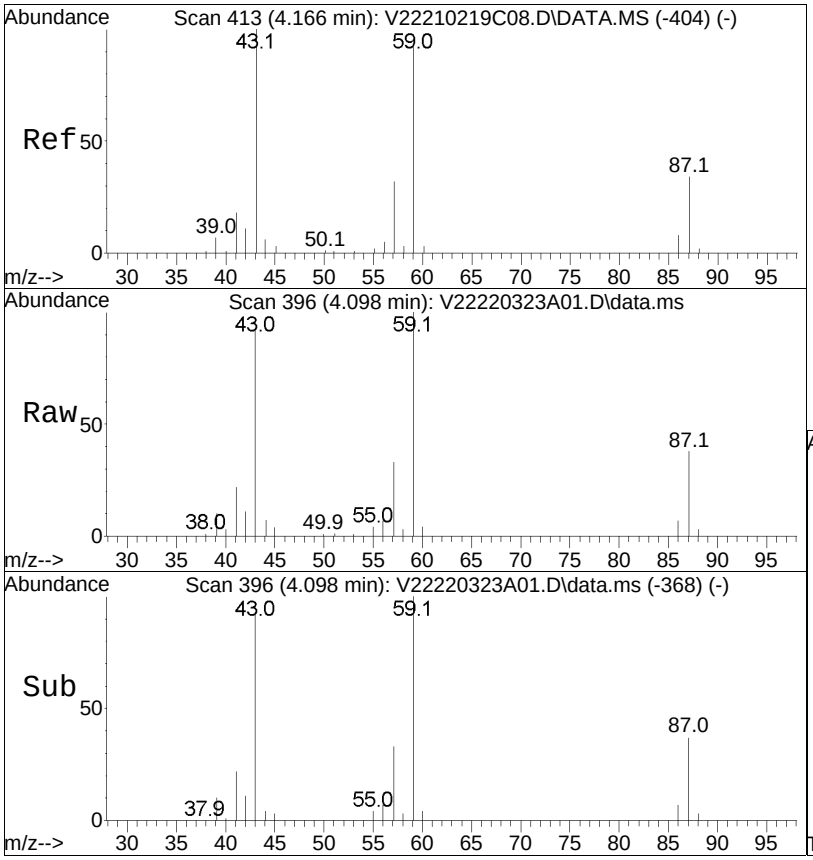


#27
Acrylonitrile
Concen: 10.34 ug/L
RT: 3.910 min Scan# 369
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 53 Resp: 11411

Ion	Ratio	Lower	Upper
53	100		
52	84.6	63.8	95.8
51	65.0	50.2	75.4

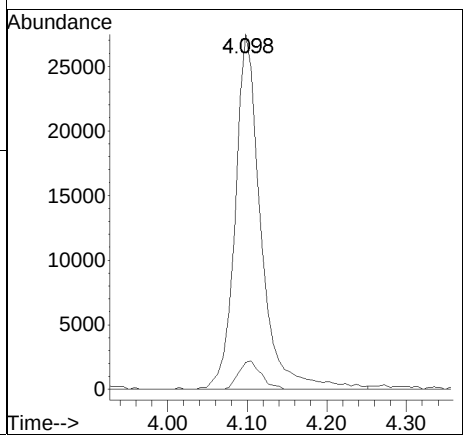


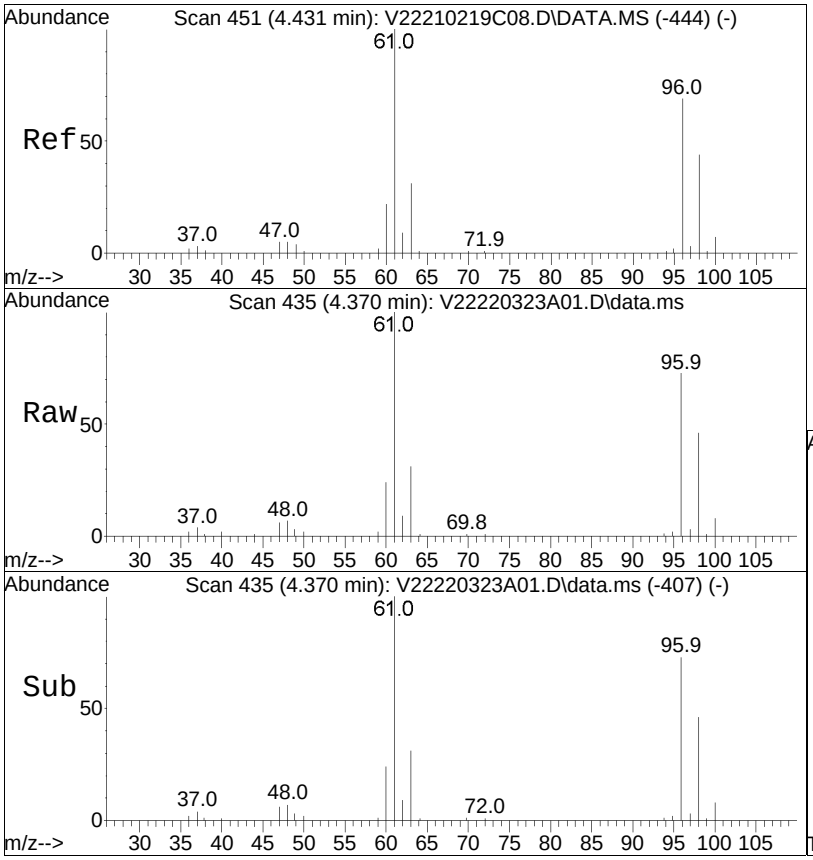


#29
Vinyl acetate
Concen: 9.98 ug/L
RT: 4.098 min Scan# 396
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 43 Resp: 61979

Ion	Ratio	Lower	Upper
43	100		
86	7.1	8.9	13.3#

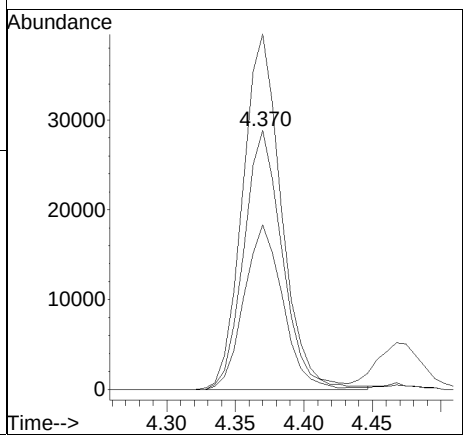


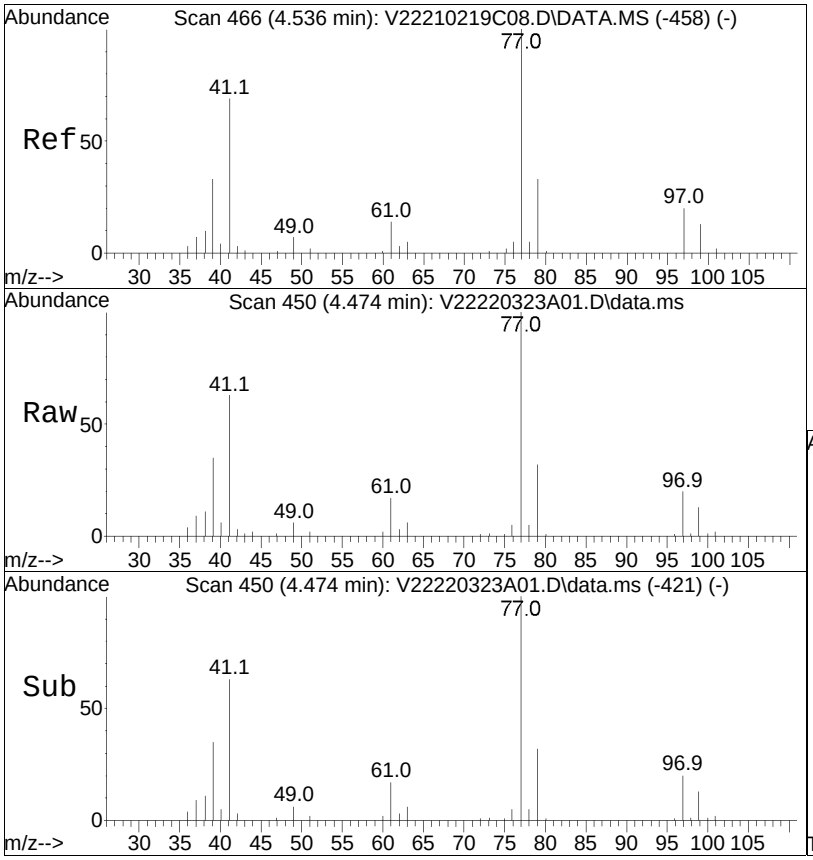


#30
cis-1,2-Dichloroethene
Concen: 10.54 ug/L
RT: 4.370 min Scan# 435
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 96 Resp: 56483

Ion	Ratio	Lower	Upper
96	100		
61	138.0	90.3	135.5#
98	63.8	50.8	76.2

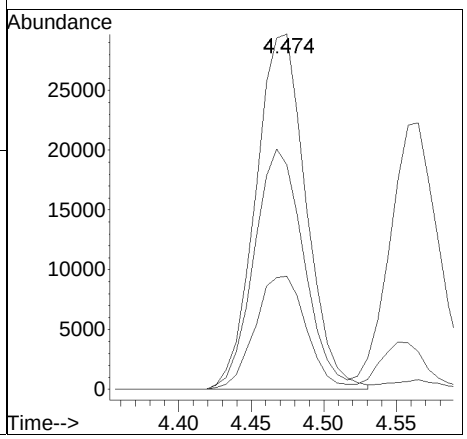


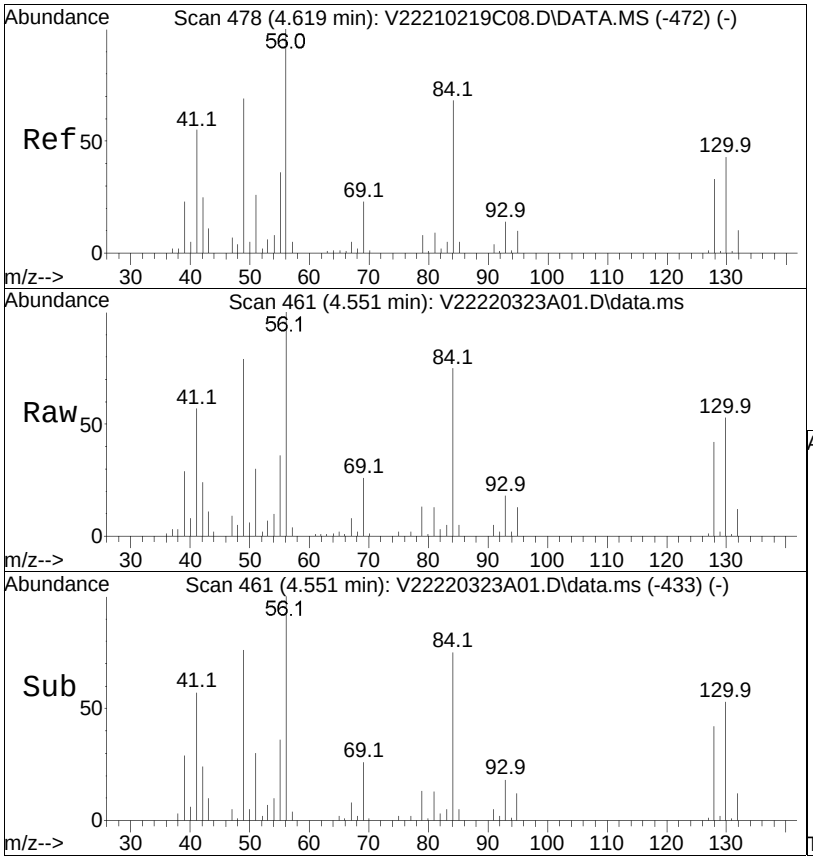


#31
2,2-Dichloropropane
Concen: 10.83 ug/L
RT: 4.474 min Scan# 450
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 77 Resp: 71753

Ion	Ratio	Lower	Upper
77	100		
41	66.8	32.3	67.1
79	32.4	21.1	43.7

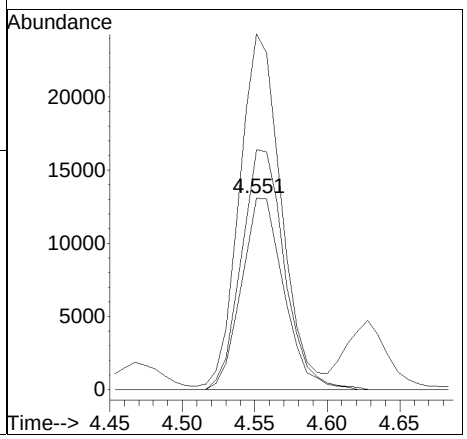


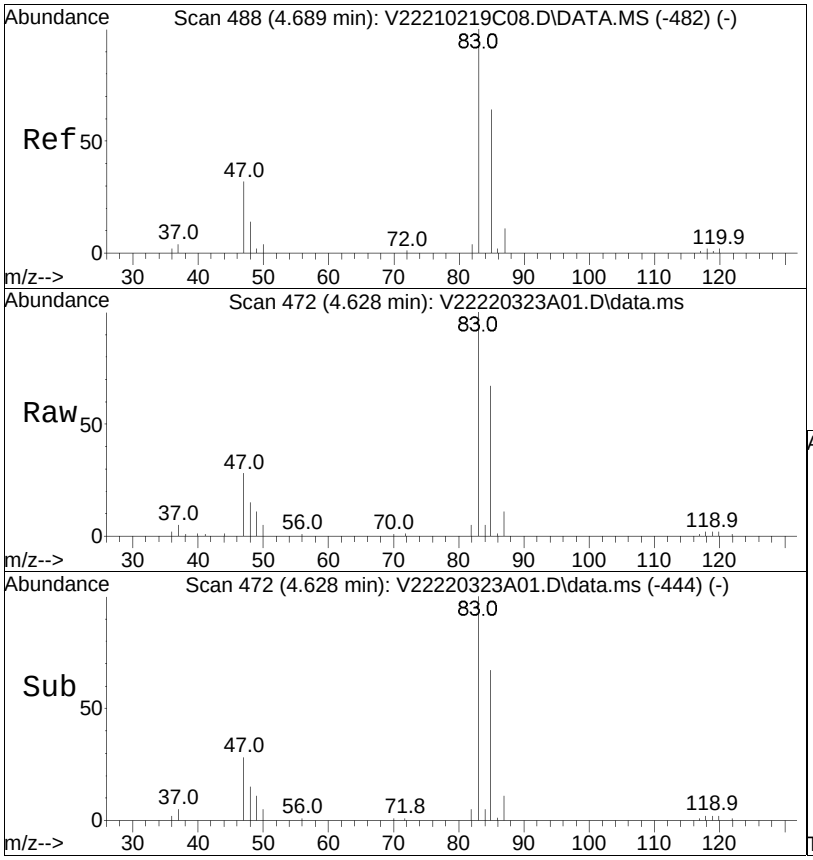


#32
Bromochloromethane
Concen: 10.79 ug/L
RT: 4.551 min Scan# 461
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:128 Resp: 26563

Ion	Ratio	Lower	Upper
128	100		
49	184.5	104.4	156.6#
130	127.5	103.9	155.9

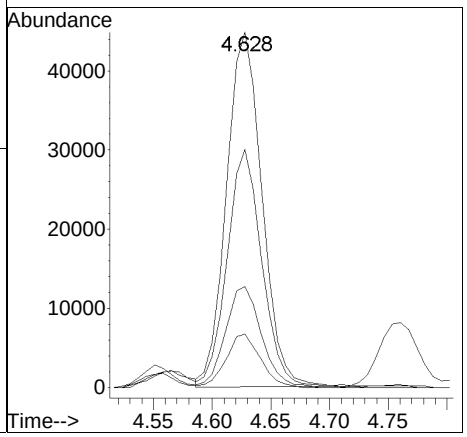


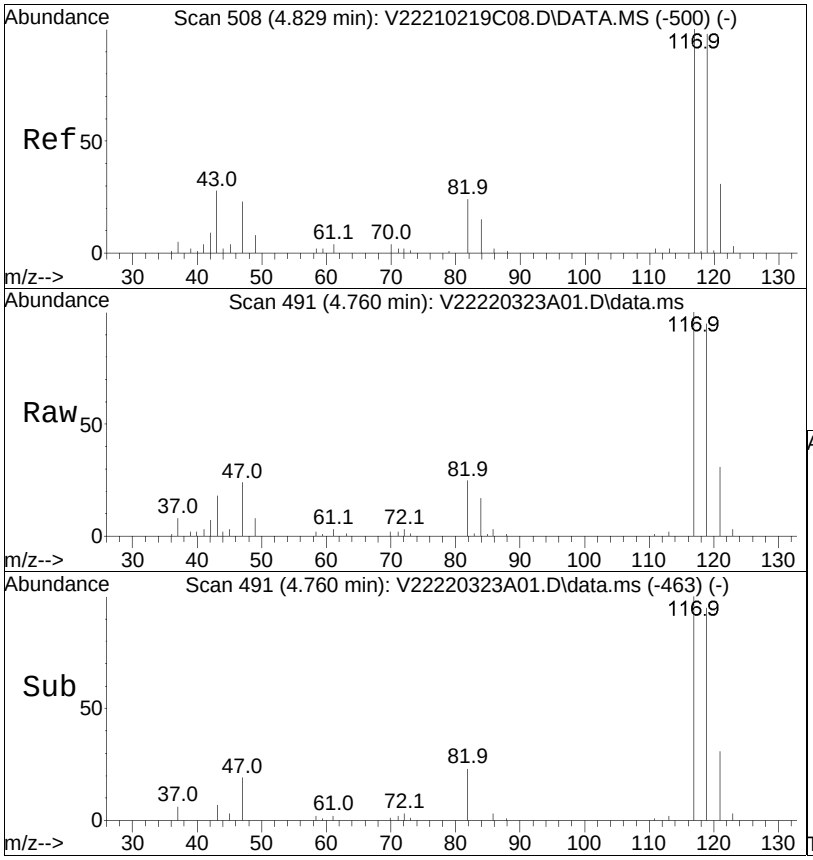


#34
Chloroform
Concen: 10.19 ug/L
RT: 4.628 min Scan# 472
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 83 Resp: 94352

Ion	Ratio	Lower	Upper
83	100		
85	66.0	42.4	88.2
47	28.8	14.0	29.0
48	14.5	6.9	14.3#

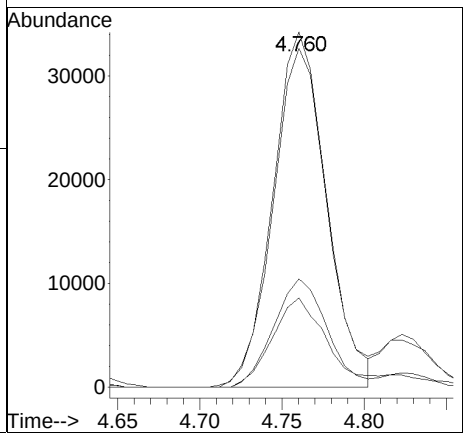


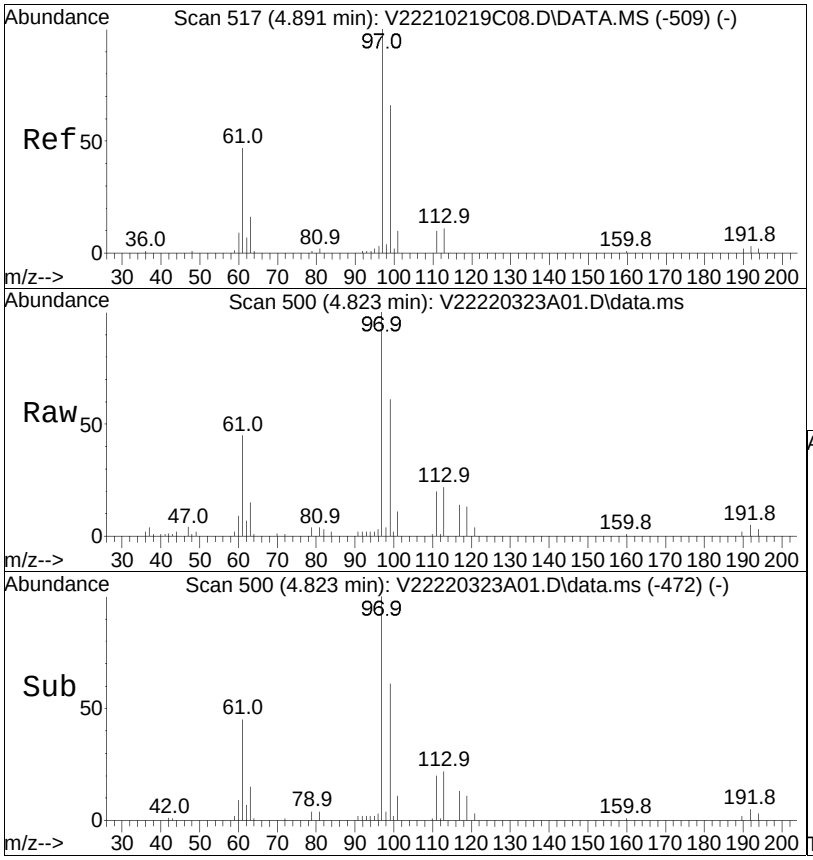


#36
Carbon tetrachloride
Concen: 11.37 ug/L
RT: 4.760 min Scan# 491
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:117 Resp: 77627

Ion	Ratio	Lower	Upper
117	100		
119	96.1	62.1	129.1
121	30.5	20.3	42.3
82	26.1	15.4	32.0

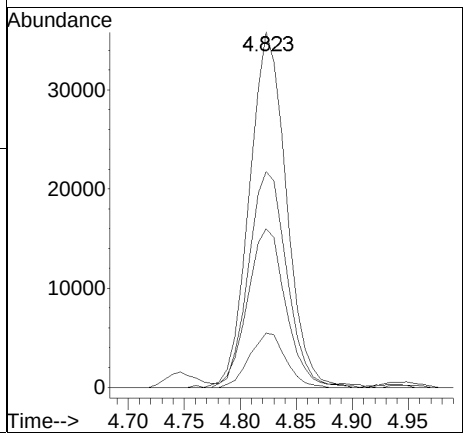


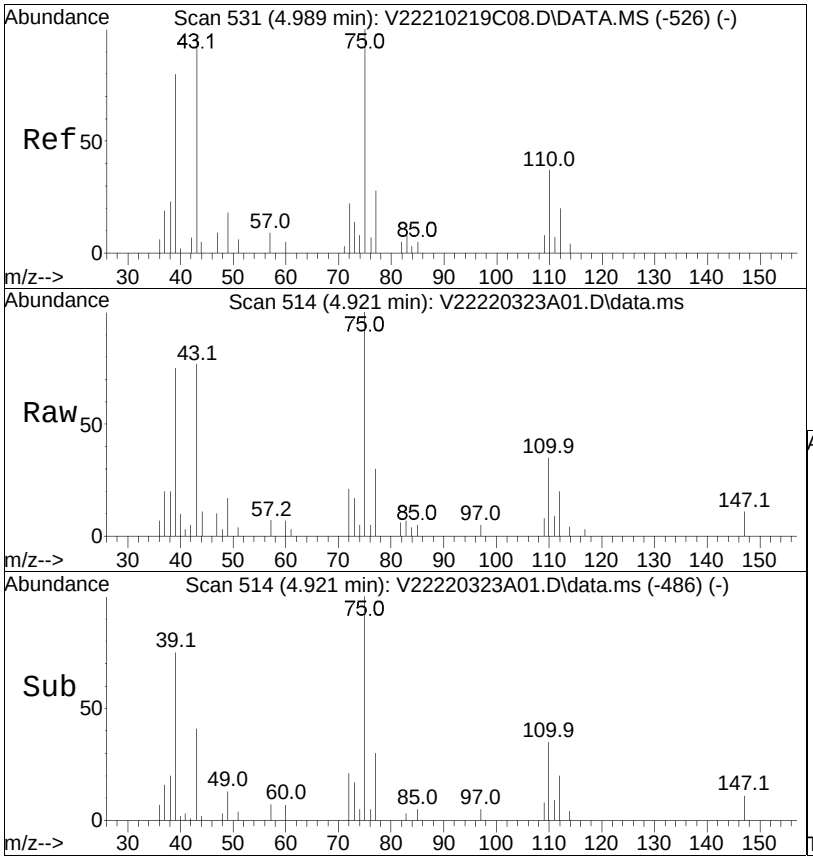


#39
1,1,1-Trichloroethane
Concen: 10.61 ug/L
RT: 4.823 min Scan# 500
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 97 Resp: 82414

Ion	Ratio	Lower	Upper
97	100		
99	62.8	42.4	88.0
61	46.1	26.0	54.0
63	14.9	8.3	17.3

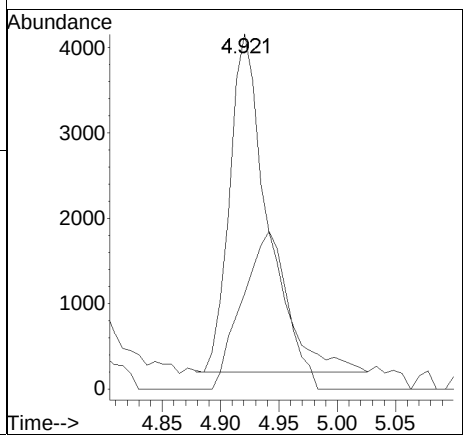


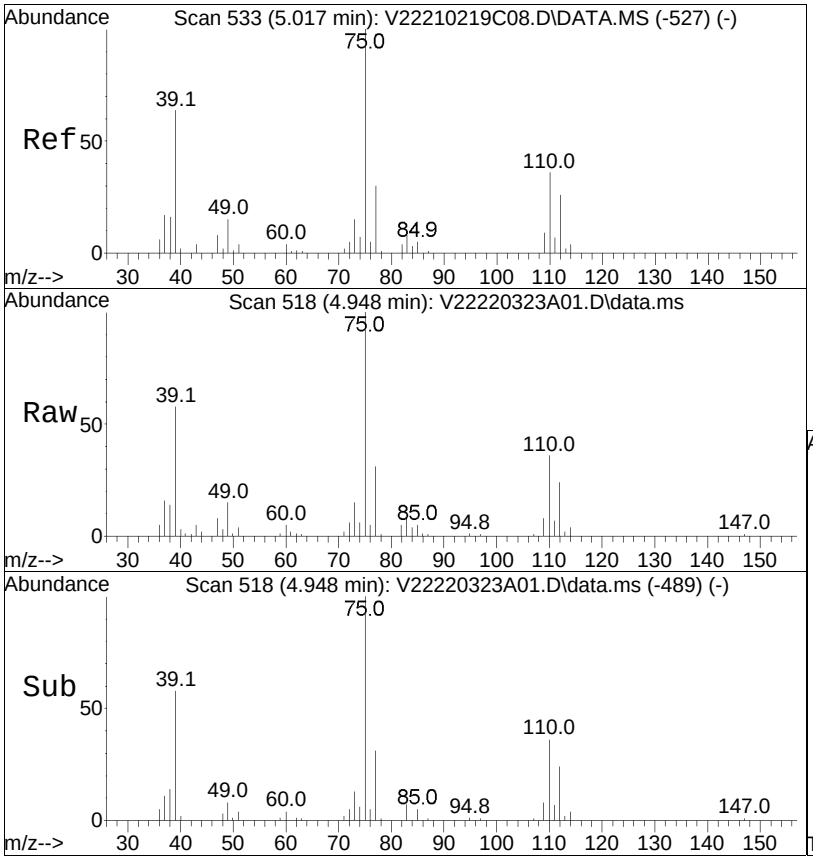


#41
2-Butanone
Concen: 8.29 ug/L
RT: 4.921 min Scan# 514
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 43 Resp: 9862

Ion	Ratio	Lower	Upper
43	100		
72	50.4	45.8	68.8

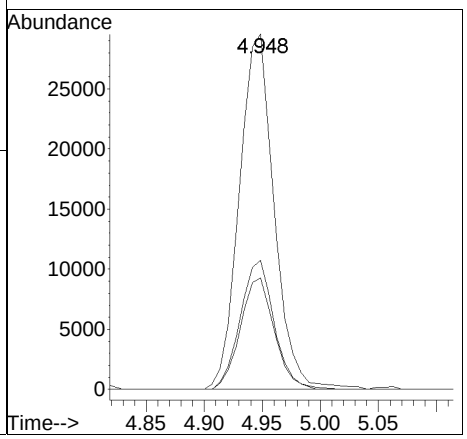


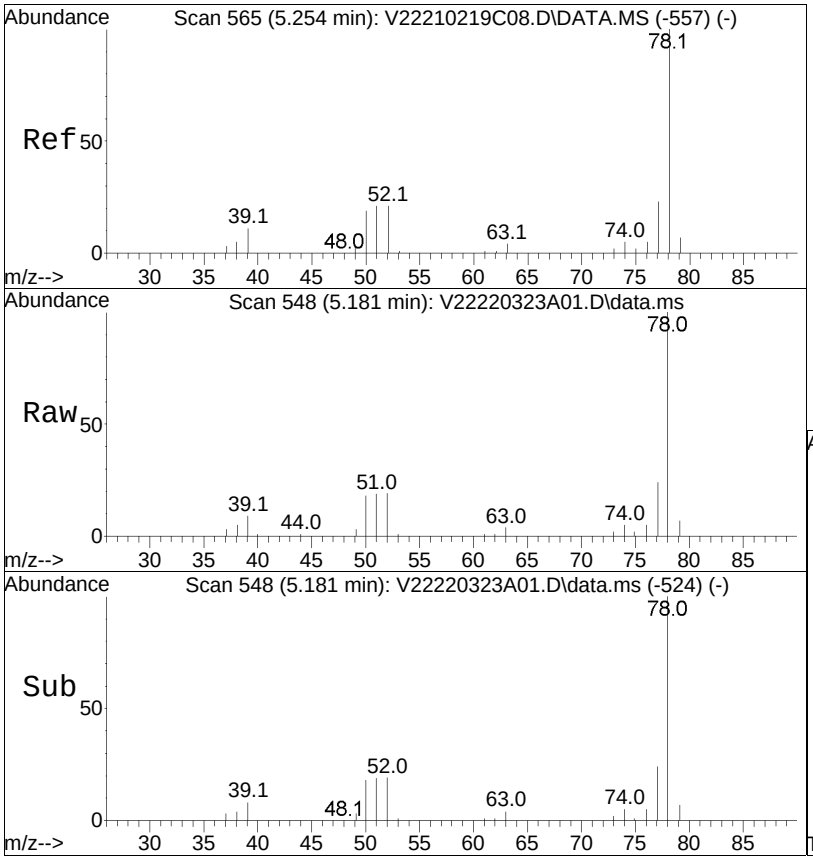


#42
1,1-Dichloropropene
Concen: 11.13 ug/L
RT: 4.948 min Scan# 518
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 75 Resp: 68561

Ion	Ratio	Lower	Upper
75	100		
110	35.9	25.4	52.8
77	31.3	20.3	42.1

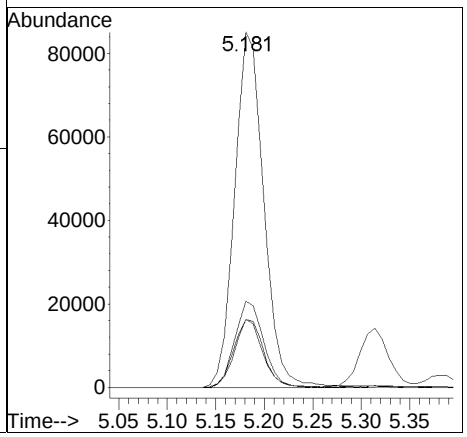


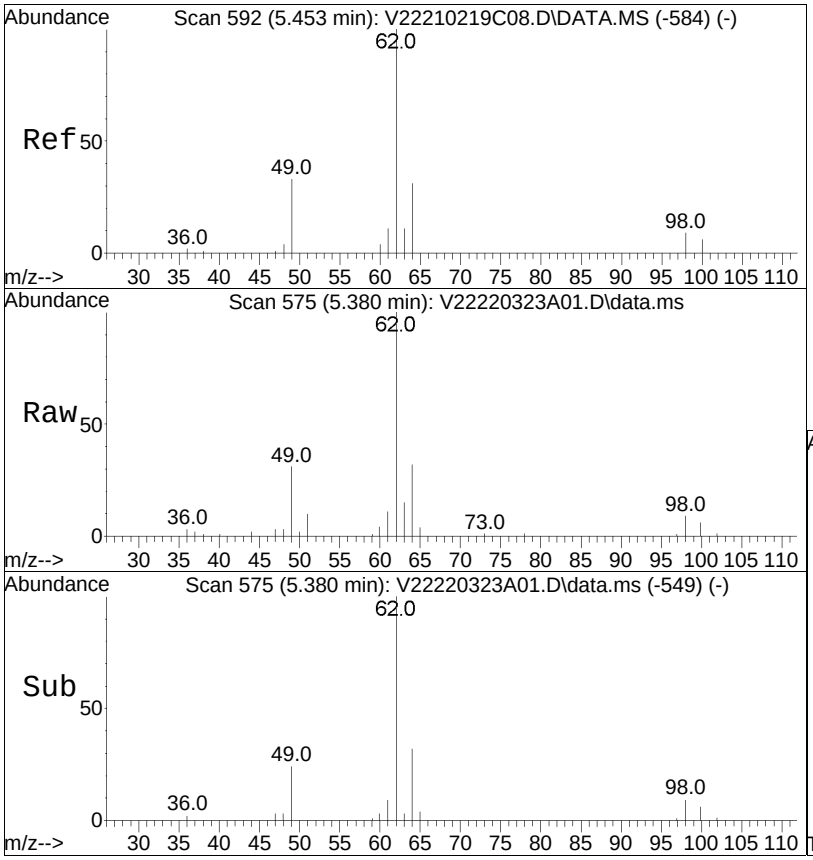


#44
Benzene
Concen: 11.03 ug/L
RT: 5.181 min Scan# 548
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 78 Resp: 178287

Ion	Ratio	Lower	Upper
78	100		
77	24.1	15.4	32.0
51	19.5	9.8	20.4
52	18.3	9.2	19.2

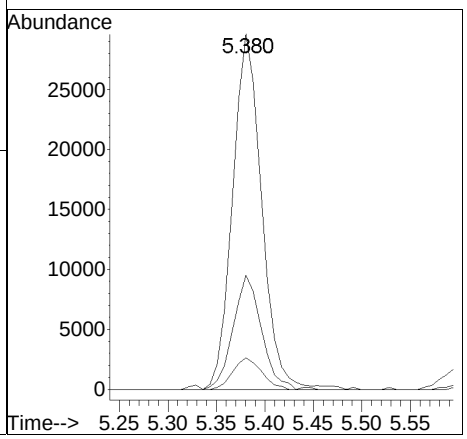


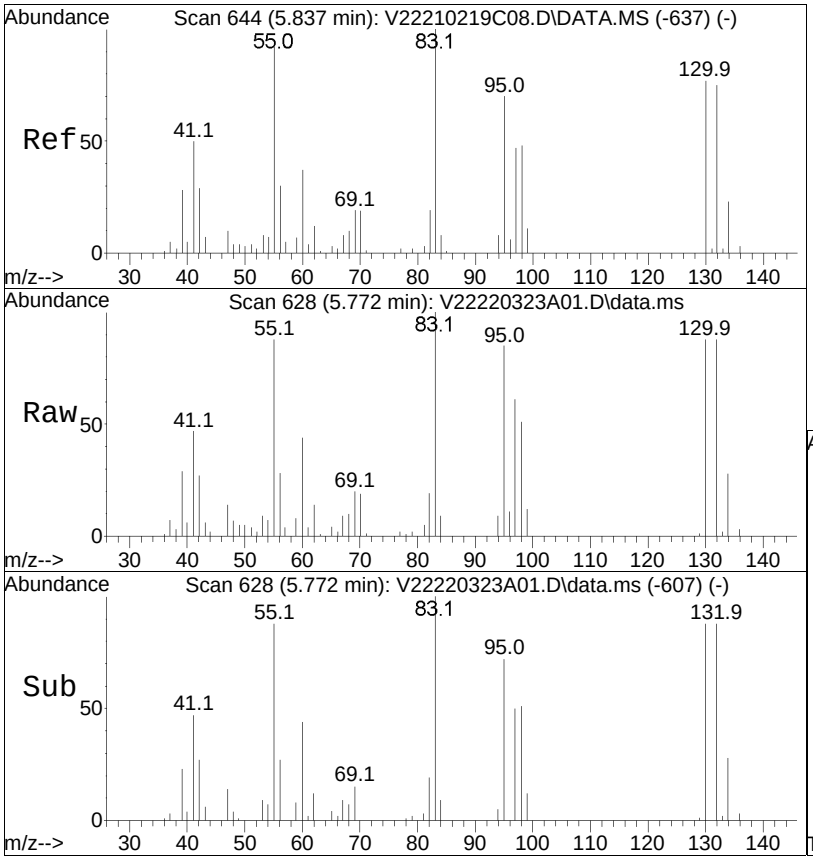


#47
1,2-Dichloroethane
Concen: 10.70 ug/L
RT: 5.380 min Scan# 575
Delta R.T. -0.008 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 62 Resp: 61887

Ion	Ratio	Lower	Upper
62	100		
64	31.3	12.3	52.3
98	8.8	0.0	30.3

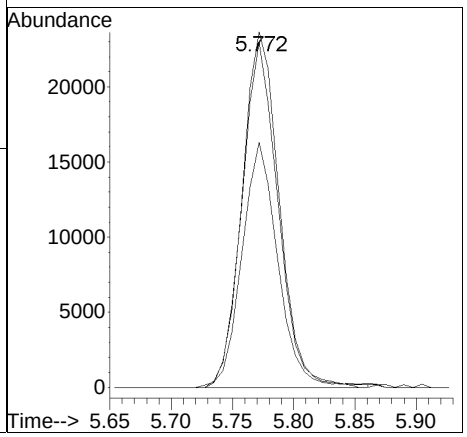


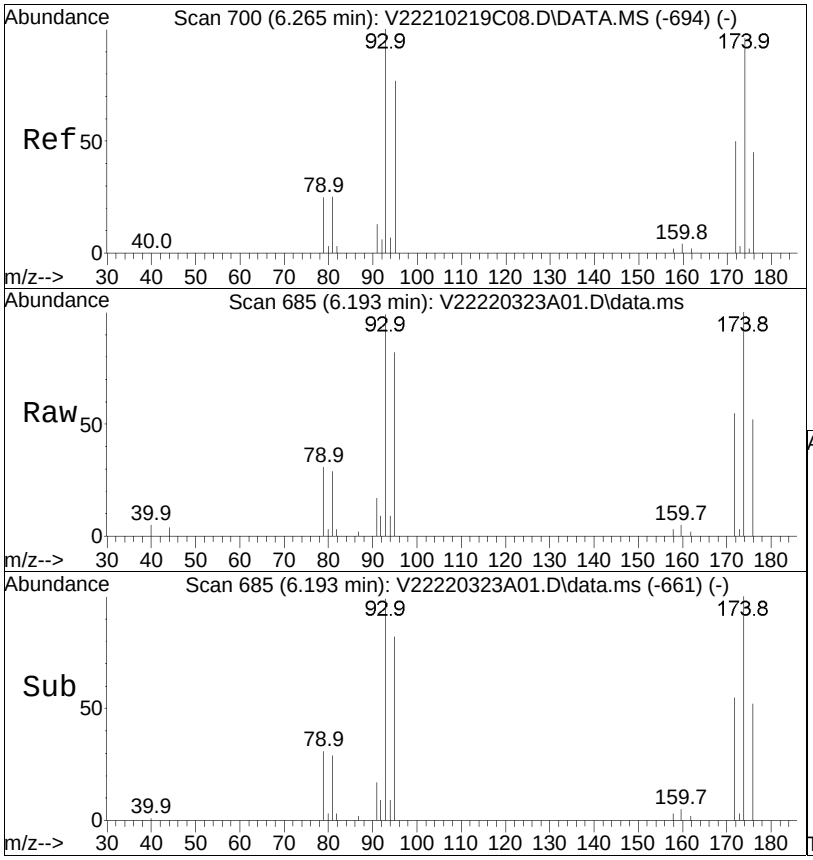


#51
Trichloroethene
Concen: 10.47 ug/L
RT: 5.772 min Scan# 628
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 95 Resp: 47149

Ion	Ratio	Lower	Upper
95	100		
97	70.4	55.0	82.4
130	105.9	89.2	133.8

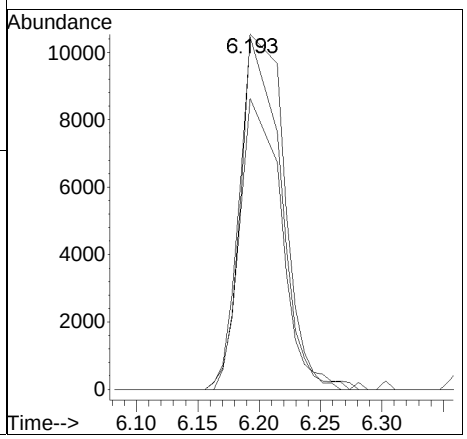


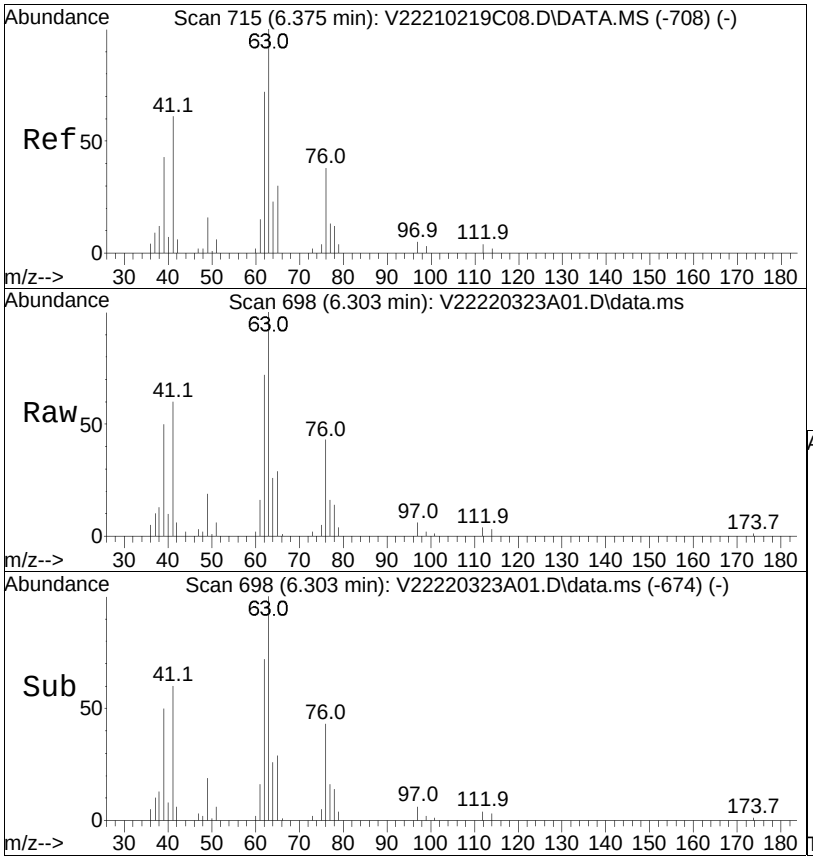


#53
Dibromomethane
Concen: 10.43 ug/L
RT: 6.193 min Scan# 685
Delta R.T. -0.022 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 93 Resp: 18045

Ion	Ratio	Lower	Upper
93	100		
95	84.3	68.0	102.0
174	108.1	106.1	159.1

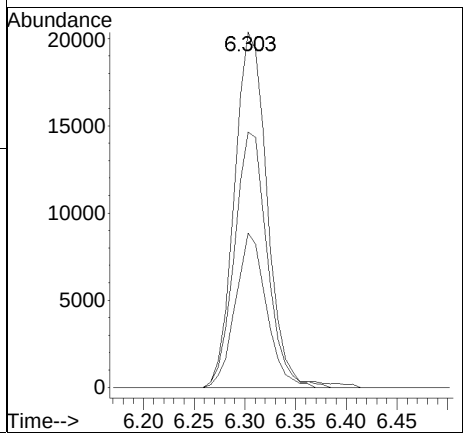


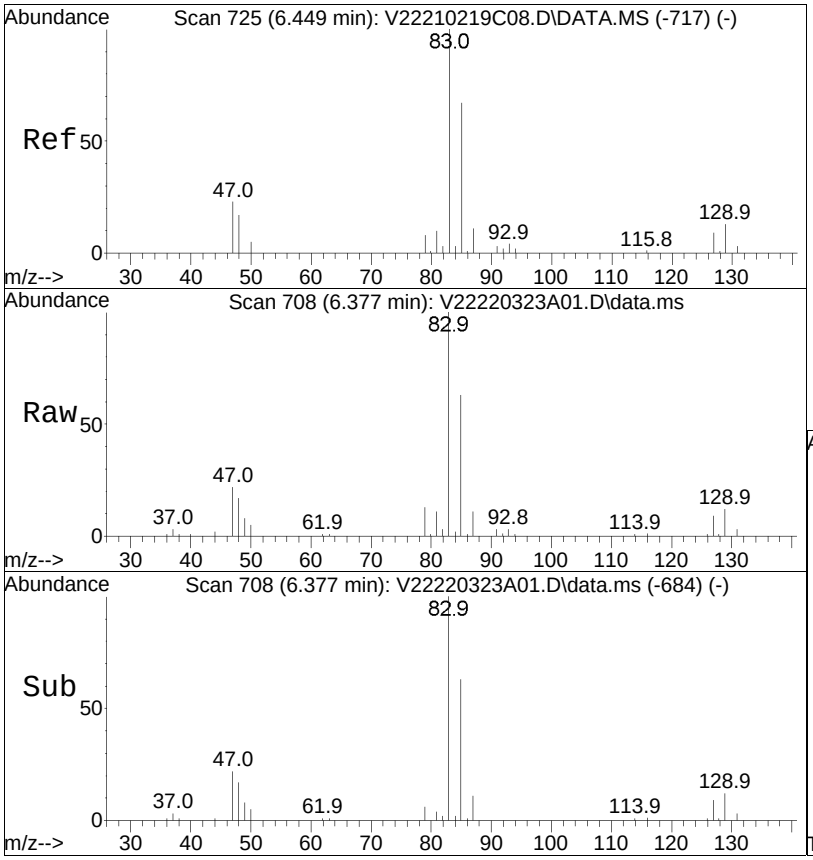


#54
1,2-Dichloropropane
Concen: 11.23 ug/L
RT: 6.303 min Scan# 698
Delta R.T. -0.008 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 63 Resp: 45898

Ion	Ratio	Lower	Upper
63	100		
62	71.7	56.9	85.3
76	41.0	35.8	53.8

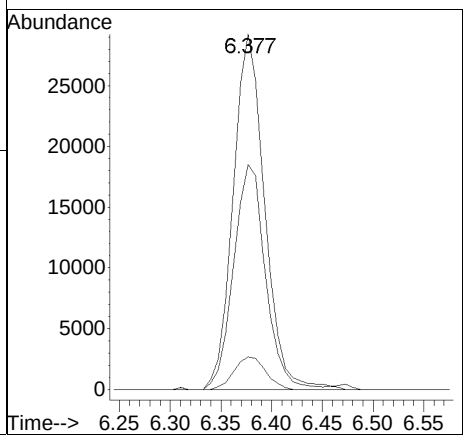


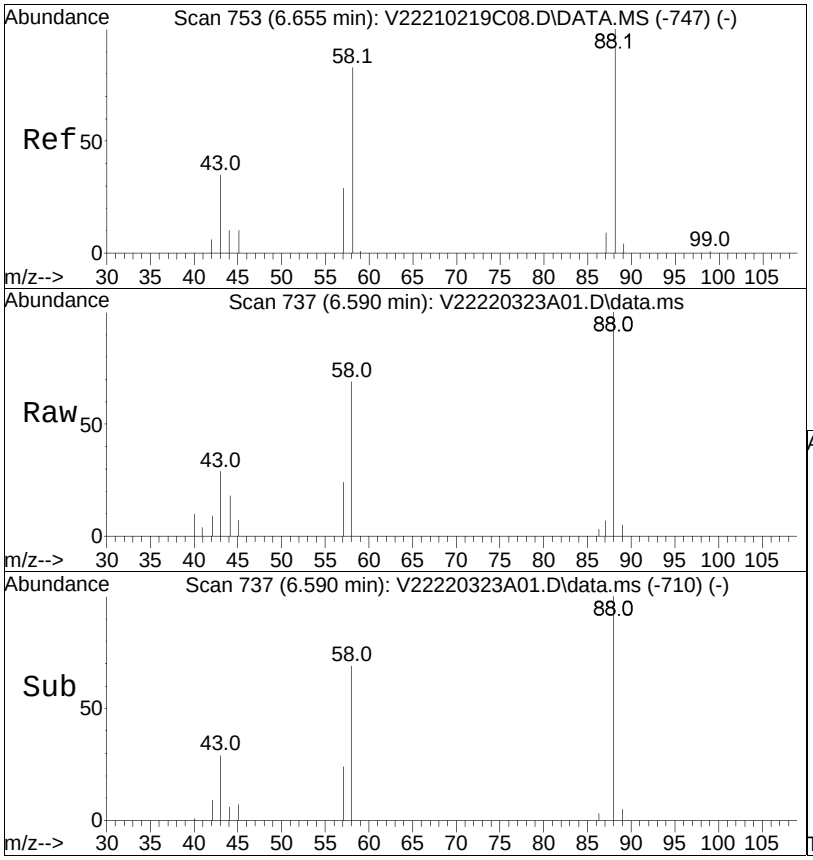


#57
Bromodichloromethane
Concen: 10.33 ug/L
RT: 6.377 min Scan# 708
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 83 Resp: 63310

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.6	77.4
127	9.2	7.4	11.0

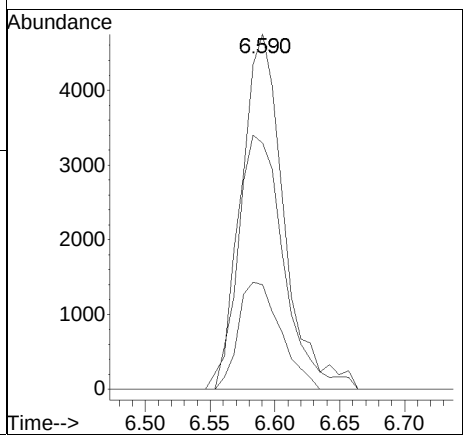


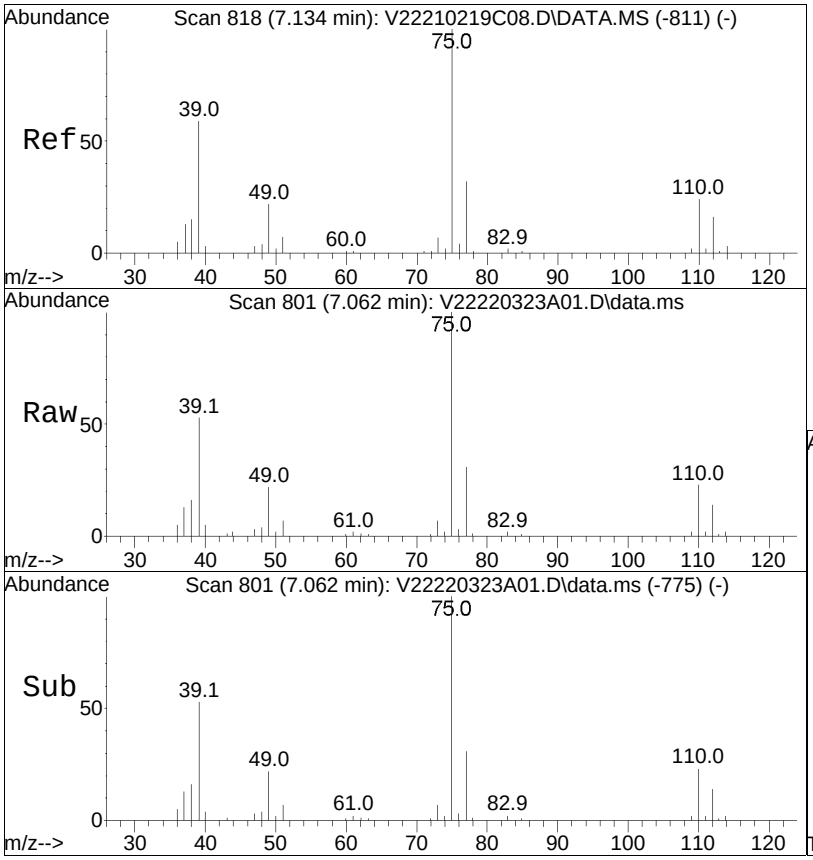


#60
1,4-Dioxane
Concen: 383.19 ug/L
RT: 6.590 min Scan# 737
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 88 Resp: 10943

Ion	Ratio	Lower	Upper
88	100		
58	76.1	43.3	64.9#
43	29.9	15.1	22.7#

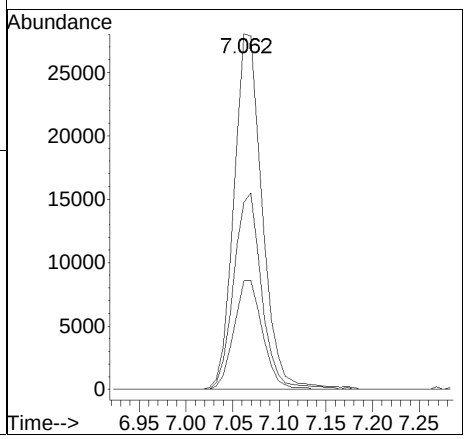


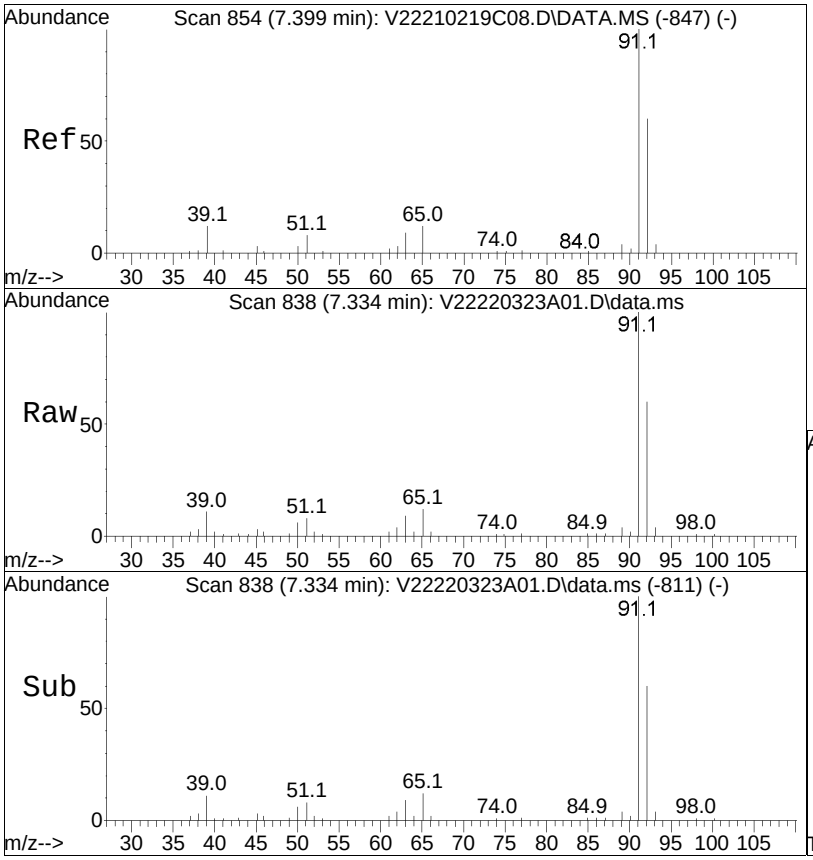


#61
cis-1,3-Dichloropropene
Concen: 9.90 ug/L
RT: 7.062 min Scan# 801
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 75 Resp: 59293

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.6	38.4
39	54.6	35.4	53.0#

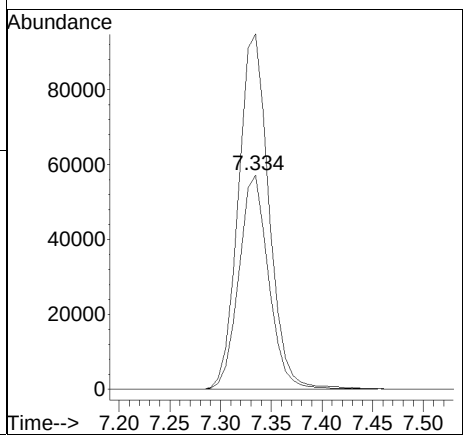


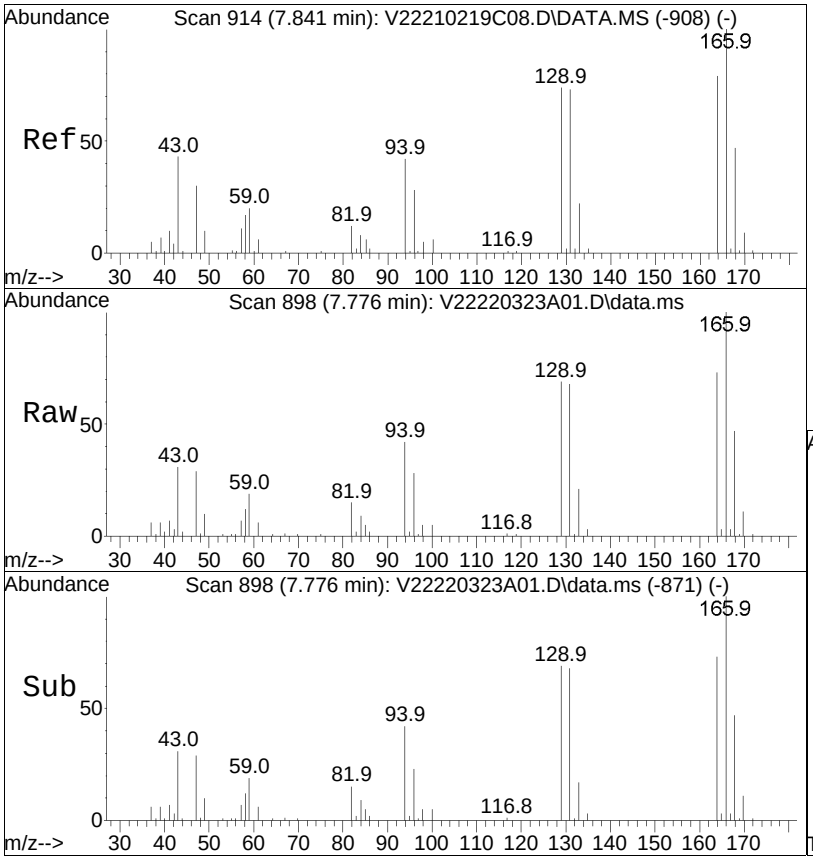


#64
Toluene
Concen: 10.41 ug/L
RT: 7.334 min Scan# 838
Delta R.T. -0.001 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 92 Resp: 116979

Ion	Ratio	Lower	Upper
92	100		
91	170.4	137.0	205.6

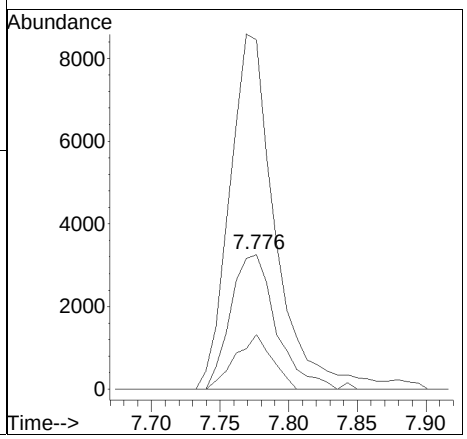


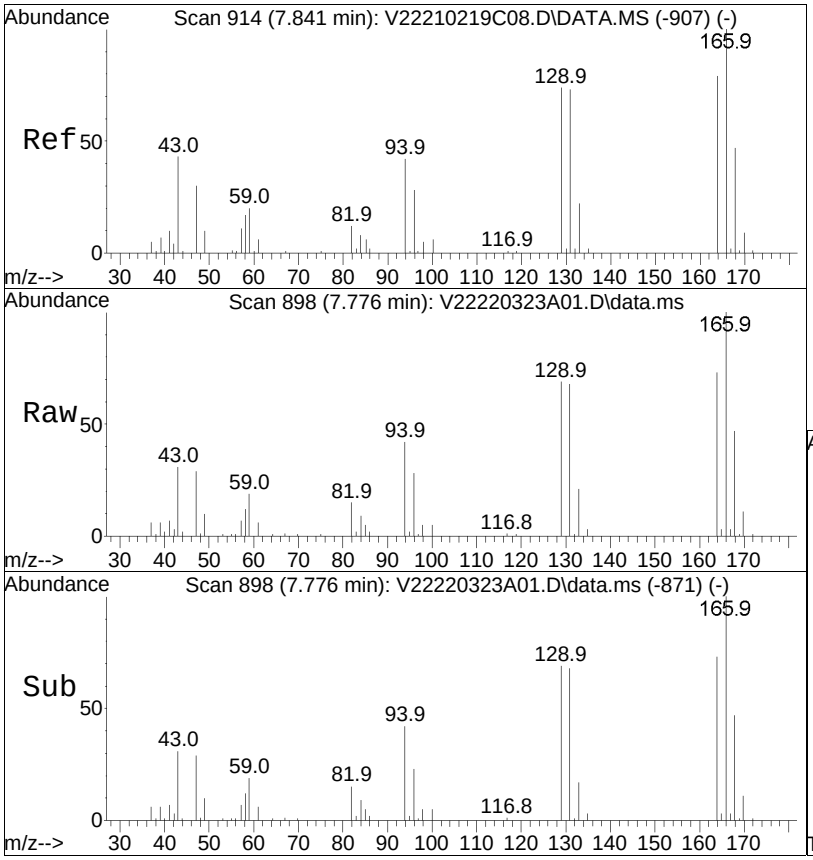


#65
4-Methyl-2-pentanone
Concen: 8.22 ug/L
RT: 7.776 min Scan# 898
Delta R.T. -0.001 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 58 Resp: 7609

Ion	Ratio	Lower	Upper
58	100		
100	32.8	36.2	54.4#
43	265.3	181.8	272.8

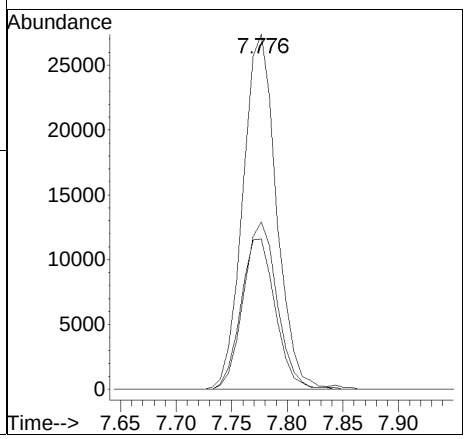


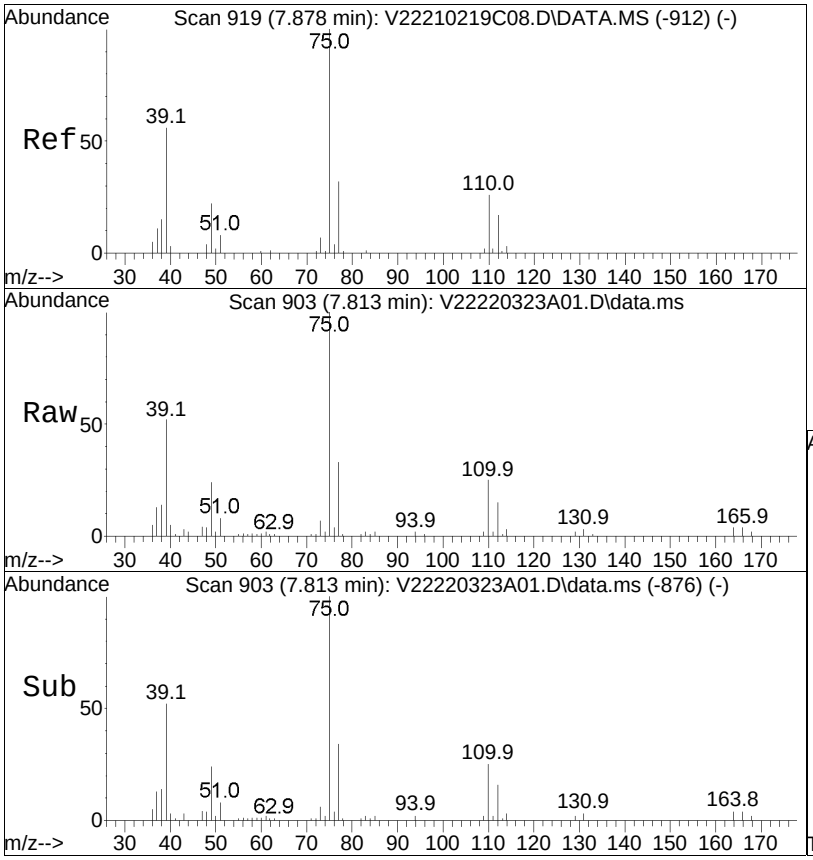


#66
Tetrachloroethene
Concen: 10.90 ug/L
RT: 7.776 min Scan# 898
Delta R.T. -0.001 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:166 Resp: 57847

Ion	Ratio	Lower	Upper
166	100		
168	46.8	27.8	67.8
94	43.4	16.7	56.7

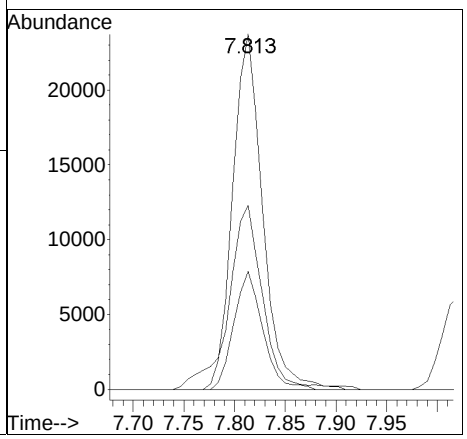


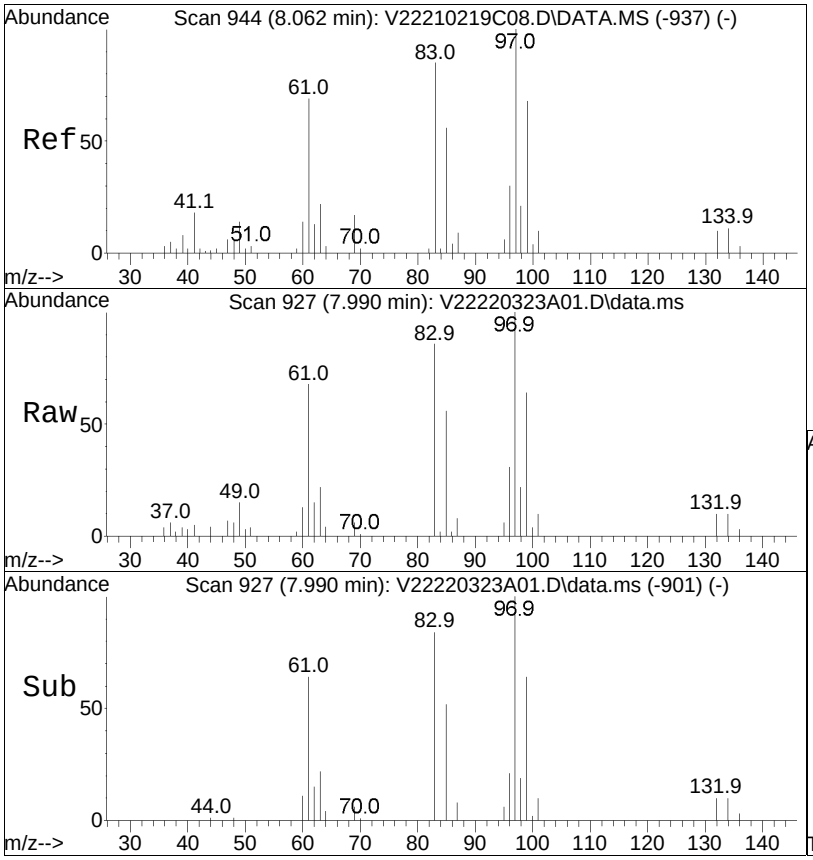


#68
trans-1,3-Dichloropropene
Concen: 8.18 ug/L
RT: 7.813 min Scan# 903
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 75 Resp: 48933

Ion	Ratio	Lower	Upper
75	100		
77	31.8	11.9	51.9
39	58.5	27.4	67.4

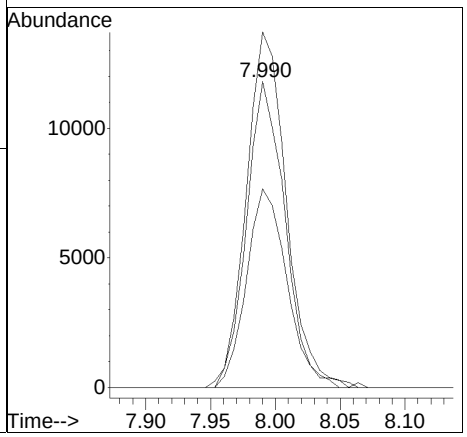


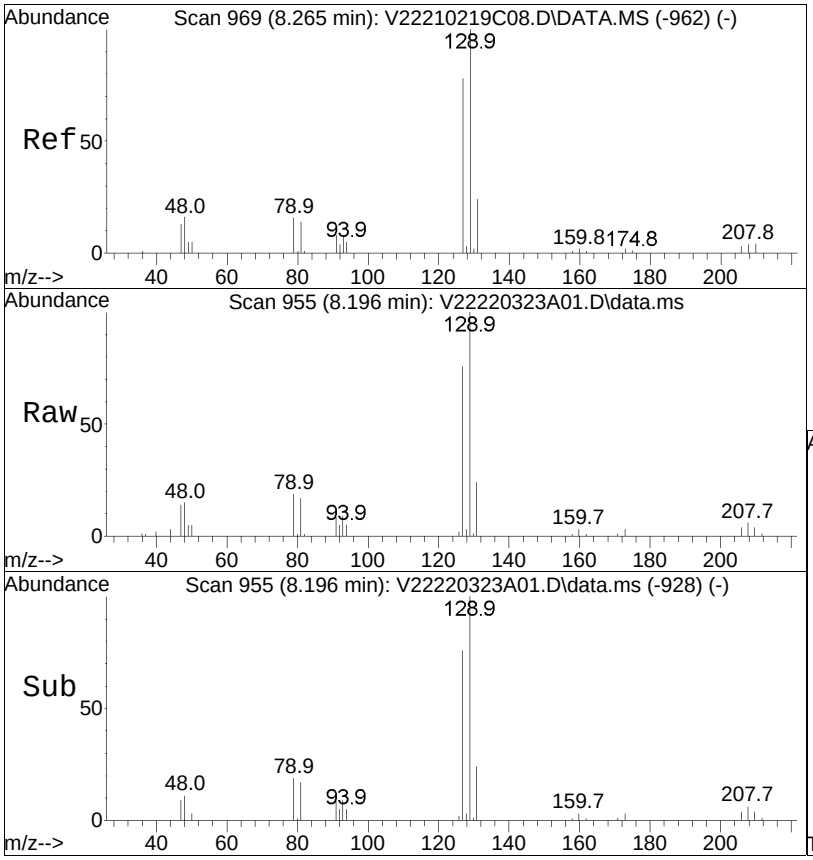


#71
1,1,2-Trichloroethane
Concen: 9.53 ug/L
RT: 7.990 min Scan# 927
Delta R.T. -0.008 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 83 Resp: 24570

Ion	Ratio	Lower	Upper
83	100		
97	119.8	103.4	143.4
85	67.8	47.9	87.9

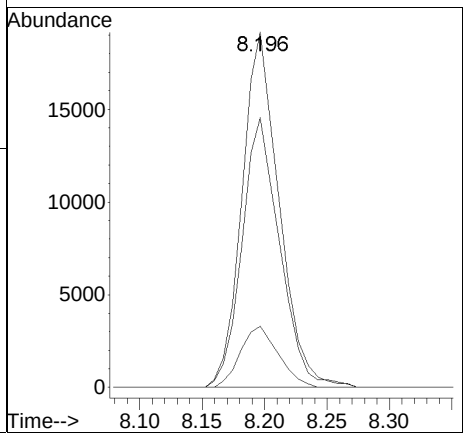


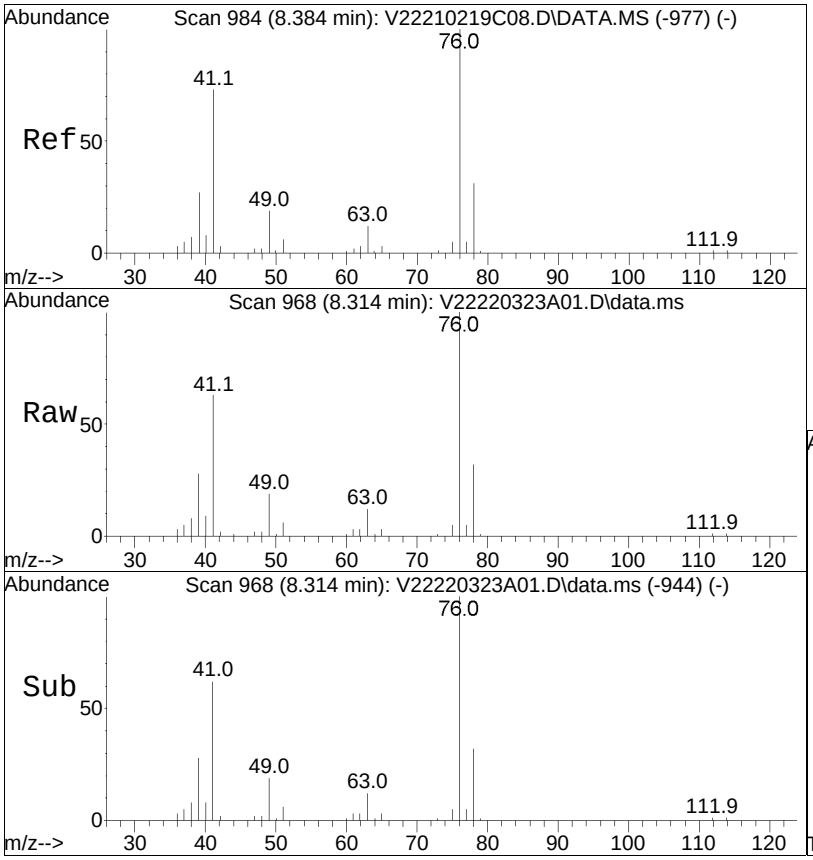


#72
Chlorodibromomethane
Concen: 10.95 ug/L
RT: 8.196 min Scan# 955
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:129 Resp: 32533

Ion	Ratio	Lower	Upper
129	100		
81	18.7	0.0	33.8
127	77.4	57.1	97.1

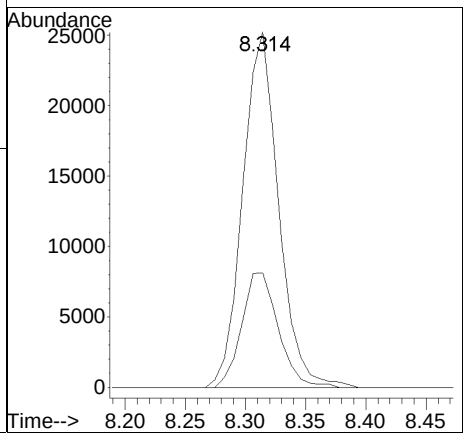


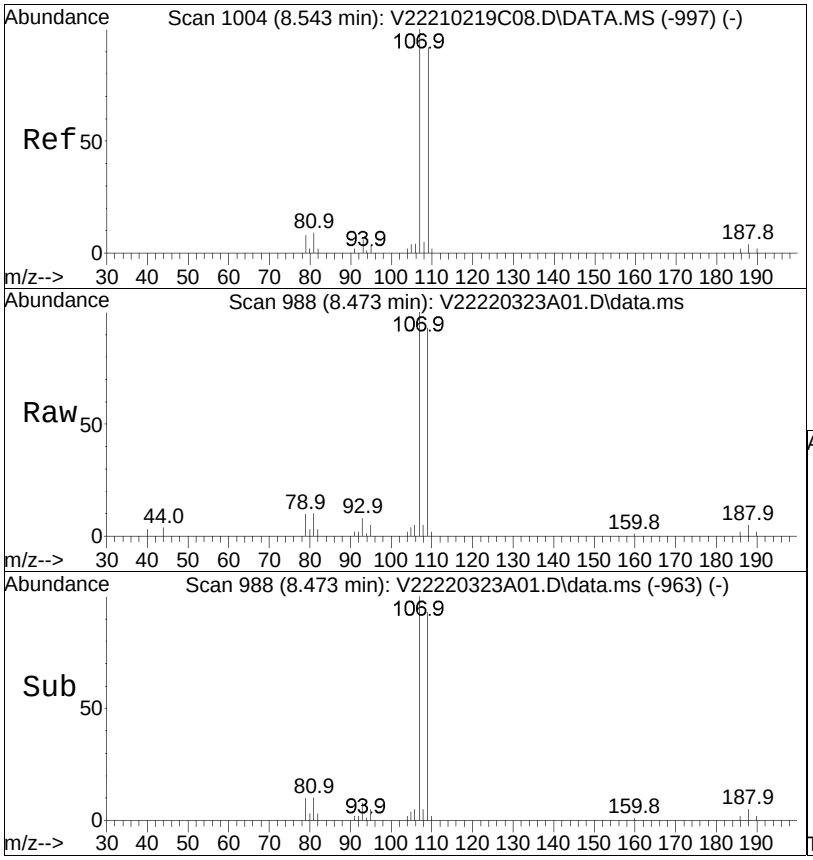


#73
1,3-Dichloropropane
Concen: 9.81 ug/L
RT: 8.314 min Scan# 968
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 76 Resp: 52202

Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.7	38.5

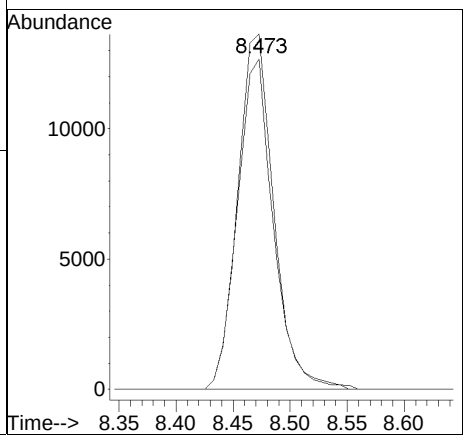


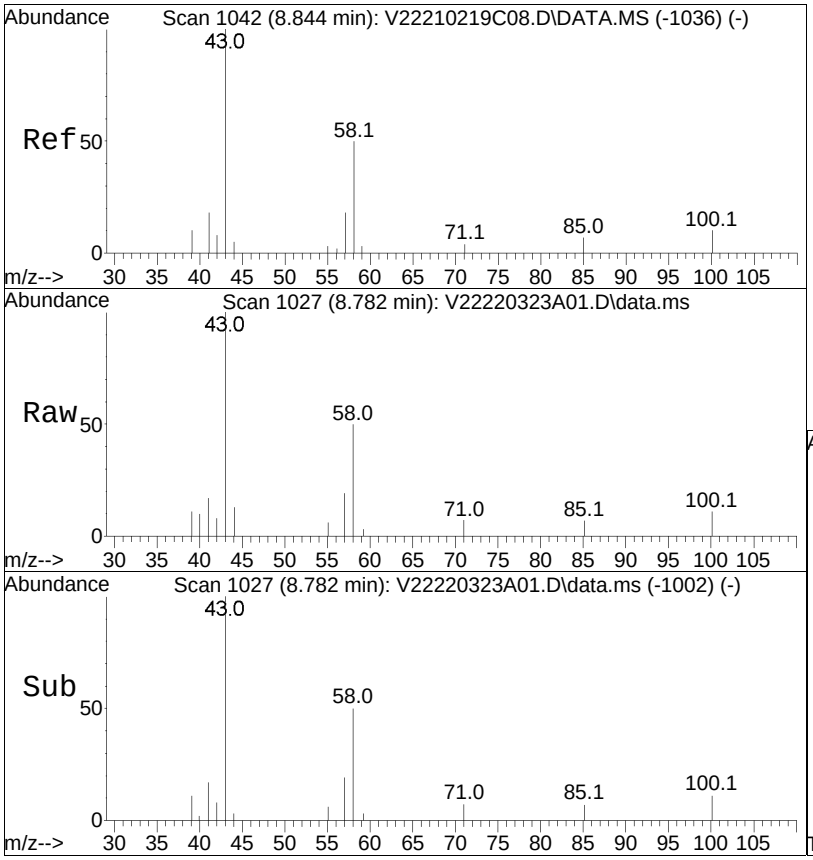


#74
1,2-Dibromoethane
Concen: 9.37 ug/L
RT: 8.473 min Scan# 988
Delta R.T. -0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:107 Resp: 30148

Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.1	112.7

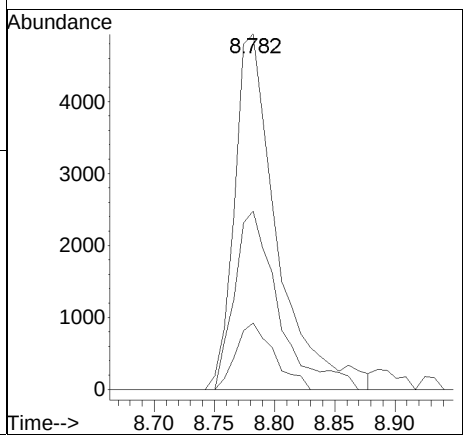


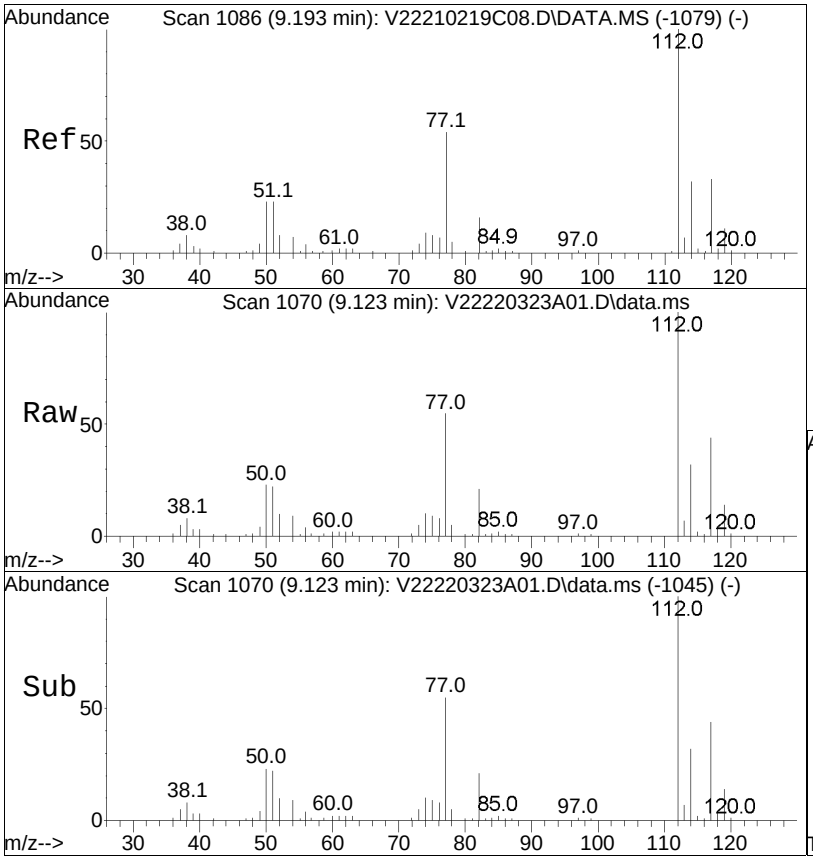


#76
2-Hexanone
Concen: 6.37 ug/L
RT: 8.782 min Scan# 1027
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 43 Resp: 12147

Ion	Ratio	Lower	Upper
43	100		
58	52.1	47.6	71.4
57	16.8	16.6	24.8

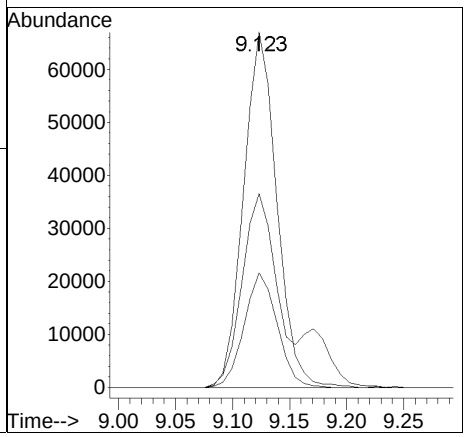


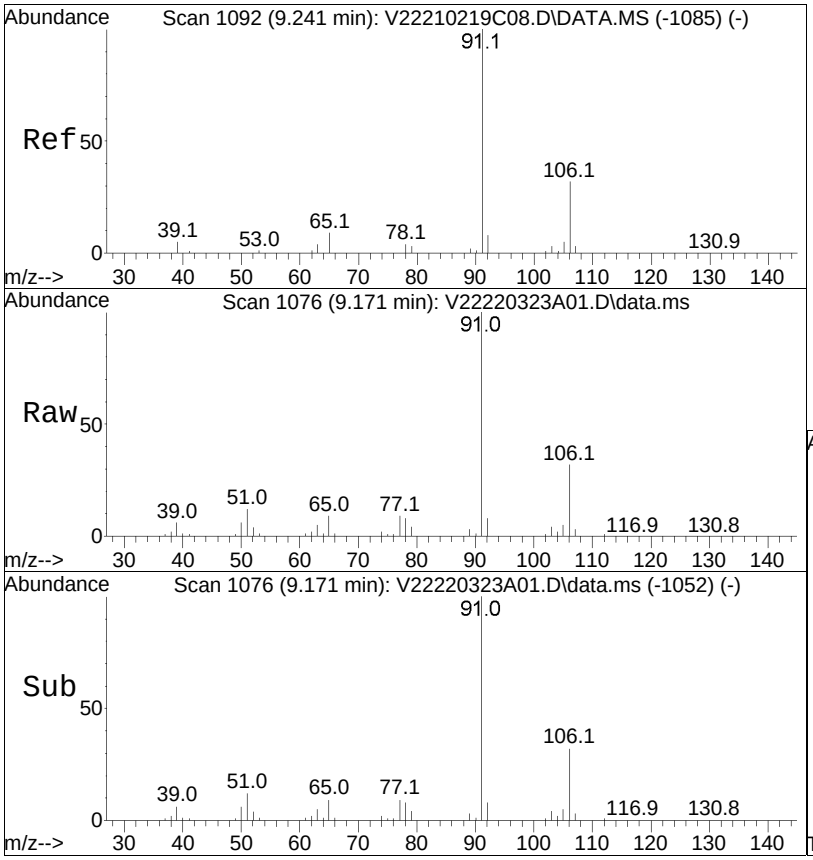


#77
Chlorobenzene
Concen: 10.45 ug/L
RT: 9.123 min Scan# 1070
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:112 Resp: 135566

Ion	Ratio	Lower	Upper
112	100		
77	57.4	55.4	83.0
114	32.2	26.2	39.4

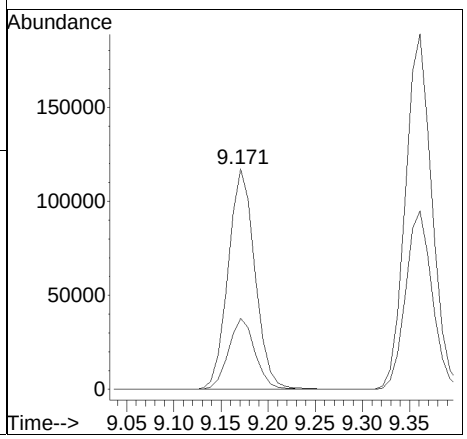


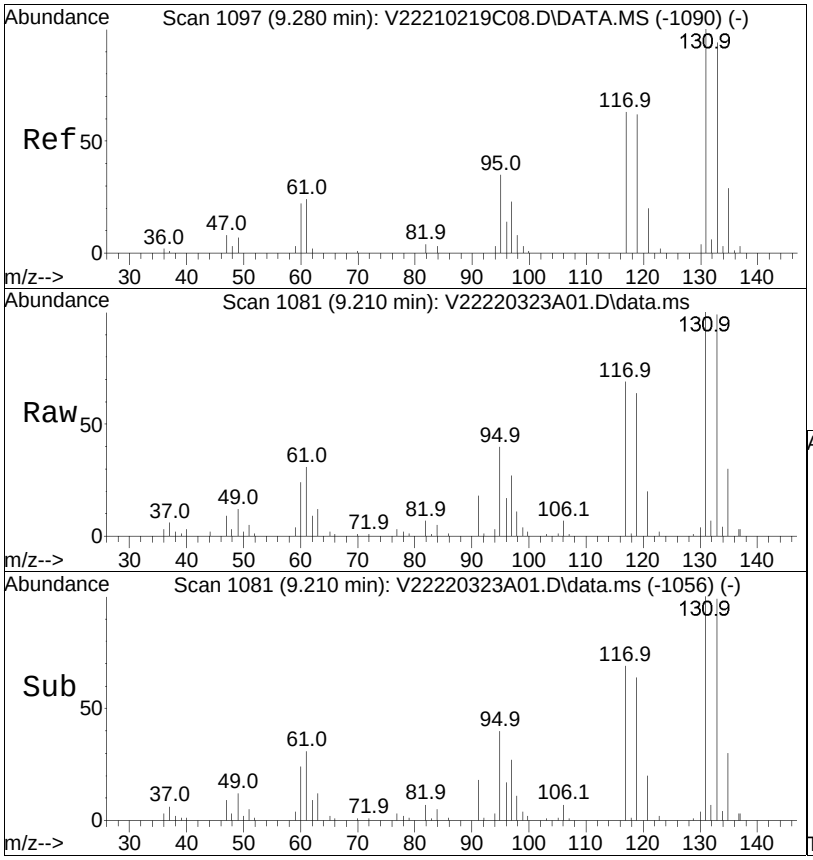


#78
Ethylbenzene
Concen: 10.27 ug/L
RT: 9.171 min Scan# 1076
Delta R.T. -0.008 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 91 Resp: 232745

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.8	38.6

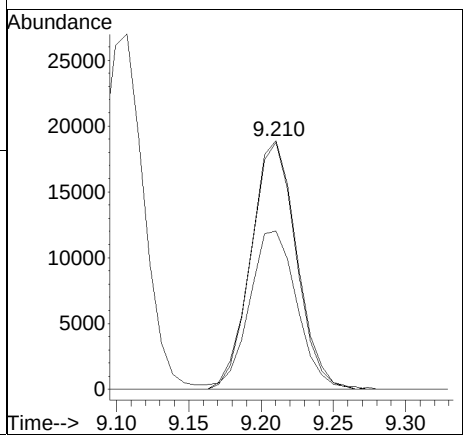


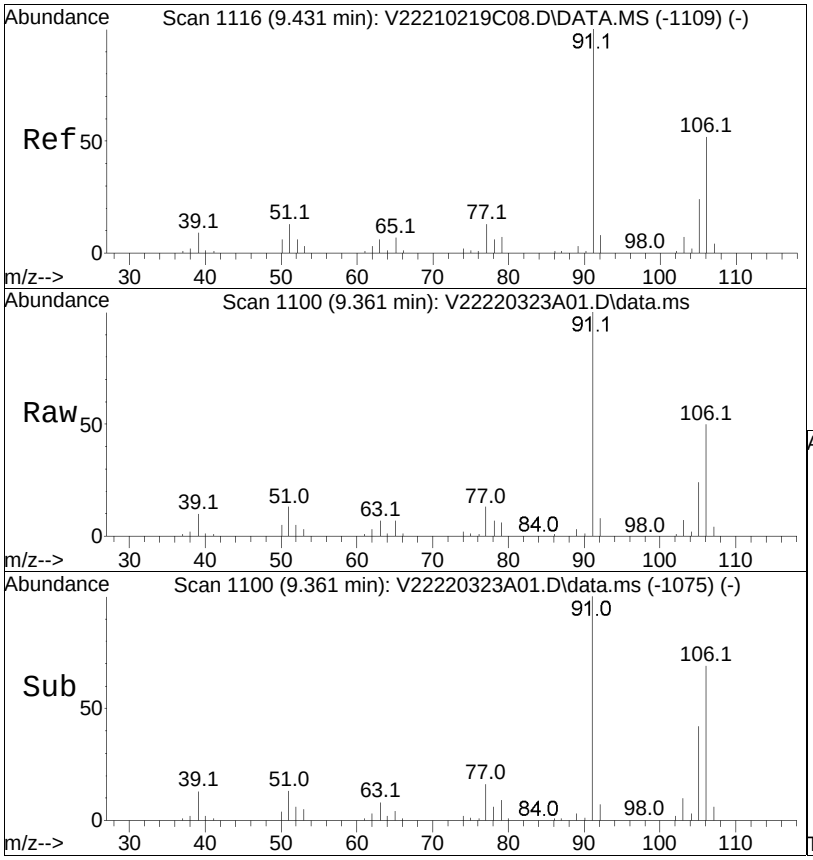


#79
1,1,1,2-Tetrachloroethane
Concen: 9.39 ug/L
RT: 9.210 min Scan# 1081
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:131 Resp: 41792

Ion	Ratio	Lower	Upper
131	100		
133	96.8	75.3	115.3
119	66.0	49.3	89.3

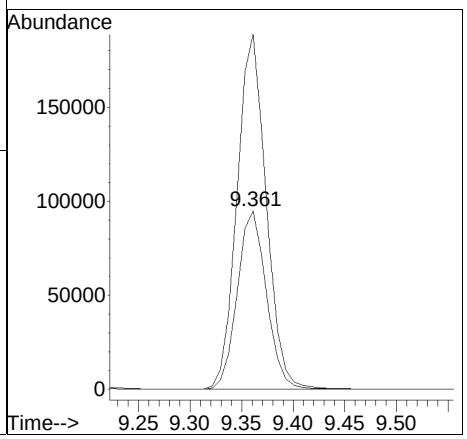


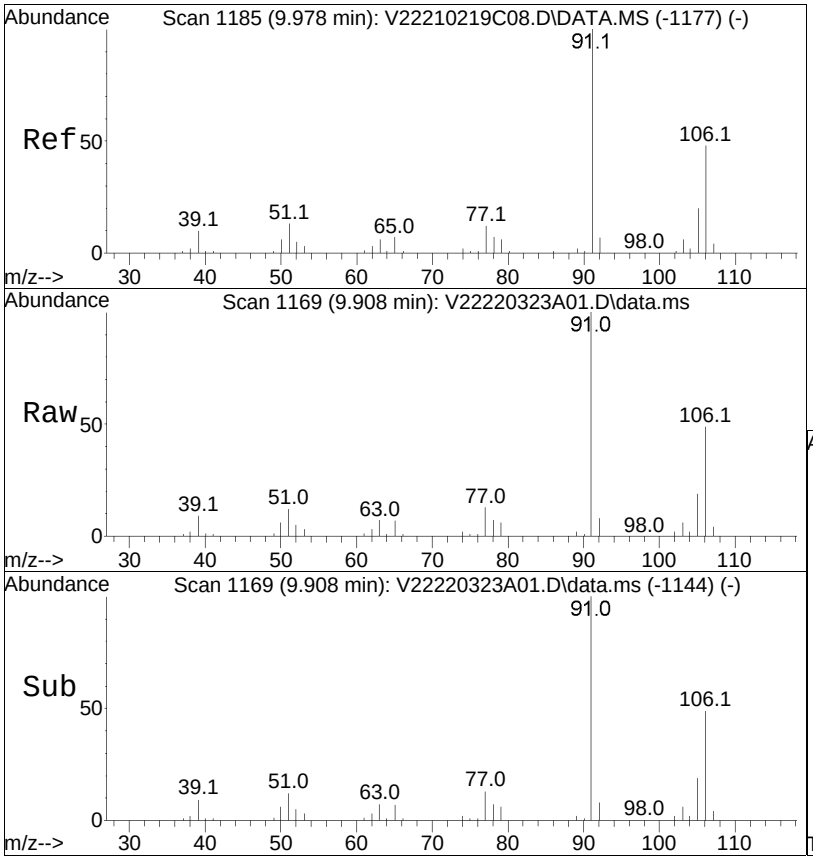


#80
p/m Xylene
Concen: 20.94 ug/L
RT: 9.361 min Scan# 1100
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:106 Resp: 187133

Ion	Ratio	Lower	Upper
106	100		
91	198.5	156.0	234.0

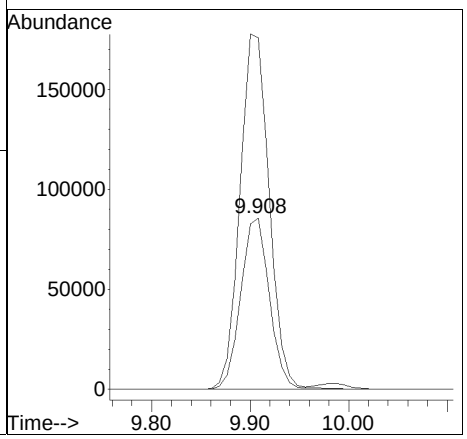


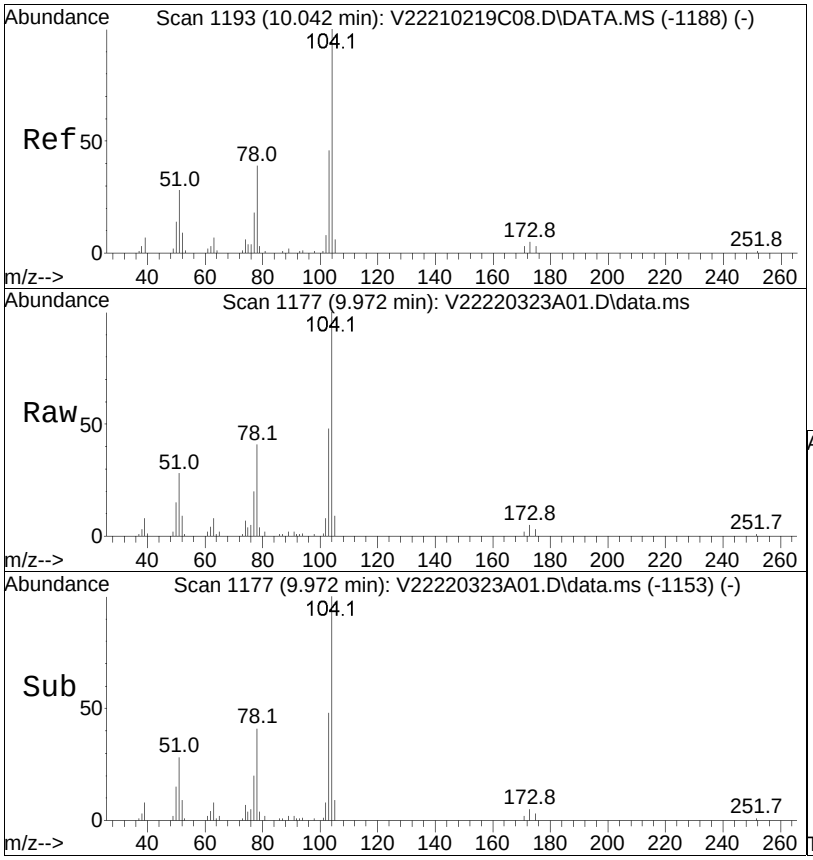


#81
o Xylene
Concen: 20.40 ug/L
RT: 9.908 min Scan# 1169
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:106 Resp: 174384

Ion	Ratio	Lower	Upper
106	100		
91	209.1	164.0	246.0

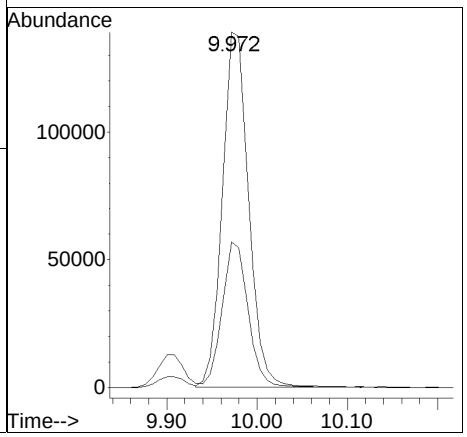


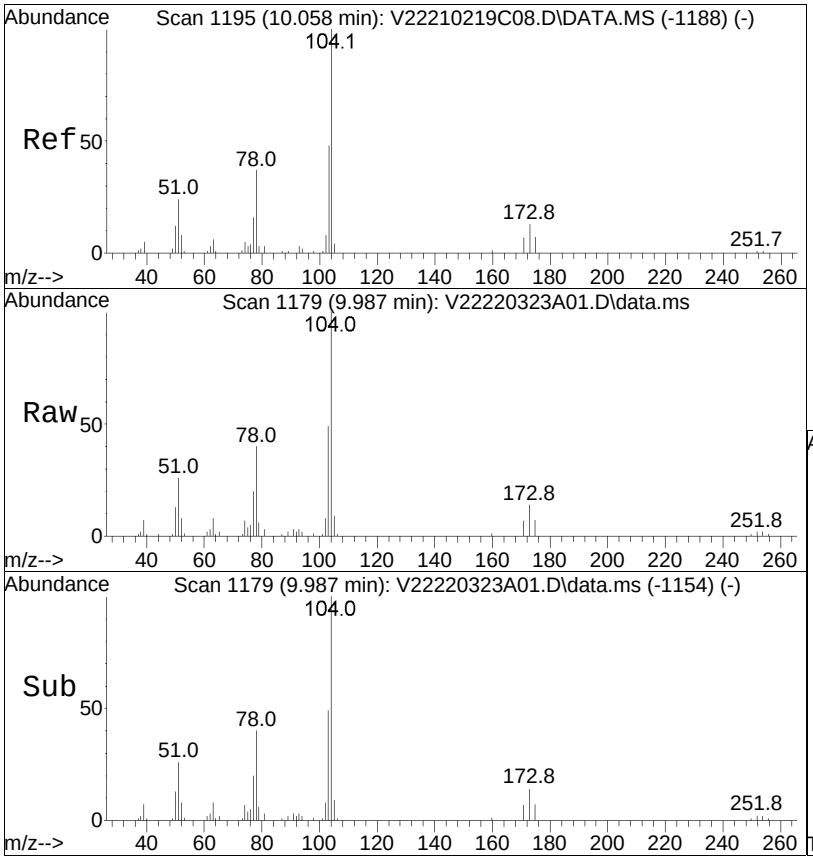


#82
Styrene
Concen: 19.93 ug/L
RT: 9.972 min Scan# 1177
Delta R.T. -0.008 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:104 Resp: 281102

Ion	Ratio	Lower	Upper
104	100		
78	40.1	32.1	48.1

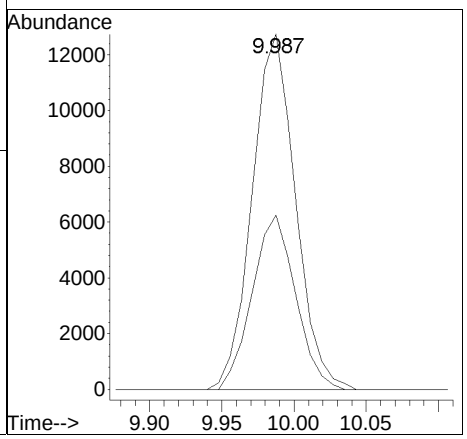


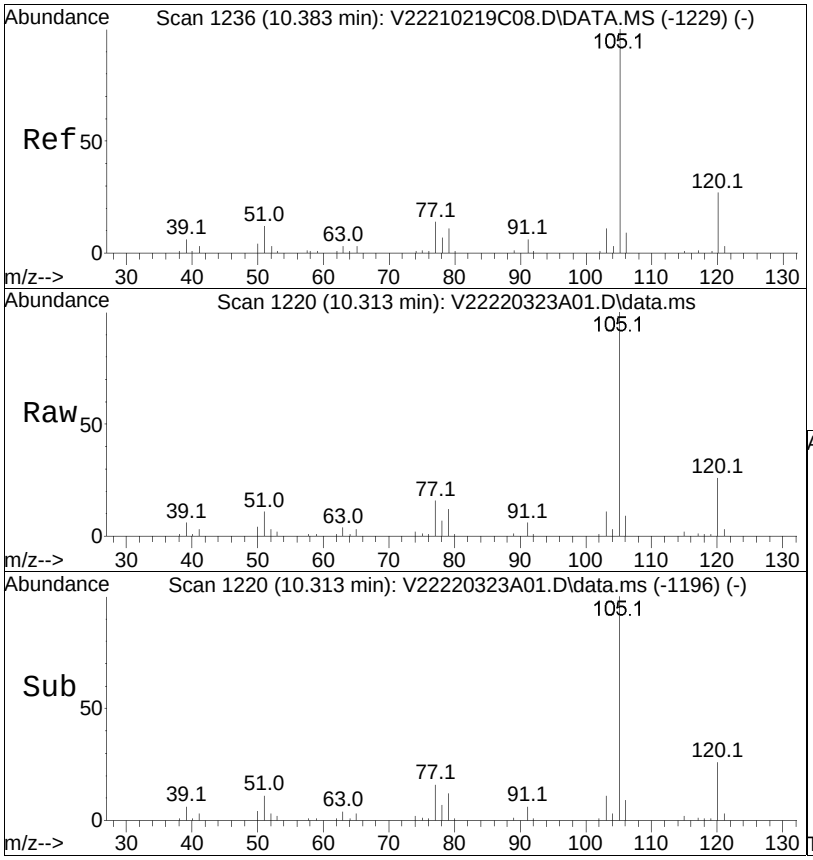


#84
Bromoform
Concen: 9.02 ug/L
RT: 9.987 min Scan# 1179
Delta R.T. -0.001 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:173 Resp: 26526

Ion	Ratio	Lower	Upper
173	100		
175	49.1	29.3	69.3

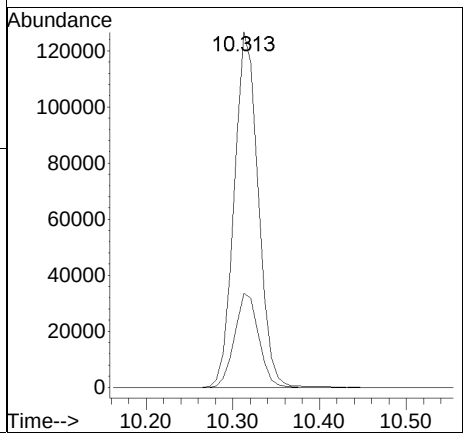


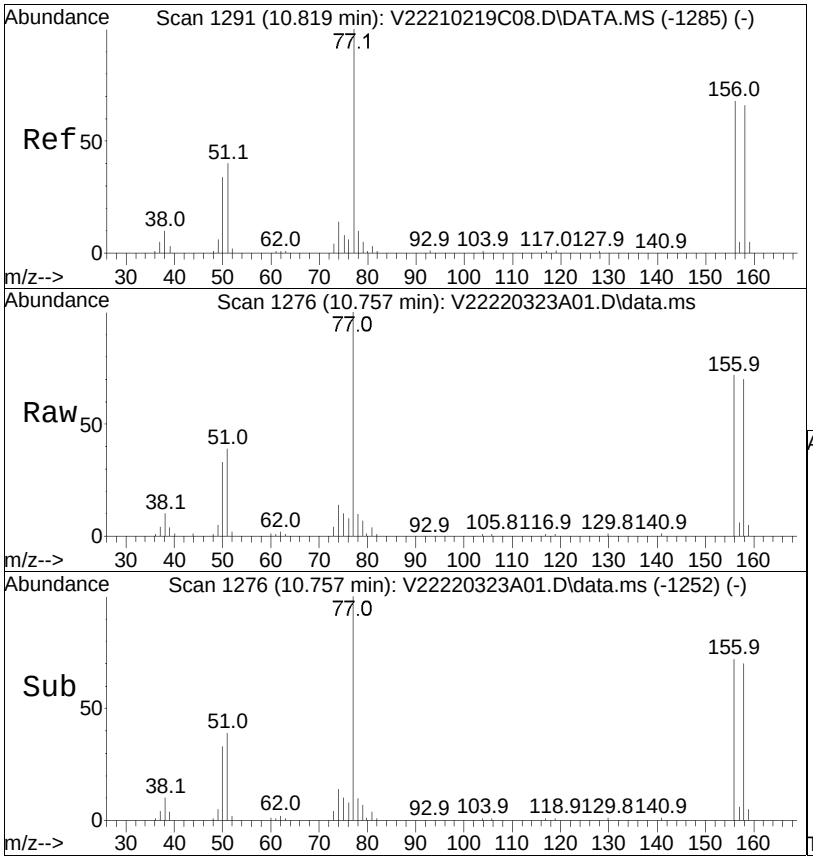


#86
Isopropylbenzene
Concen: 9.21 ug/L
RT: 10.313 min Scan# 1220
Delta R.T. -0.008 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:105 Resp: 243871

Ion	Ratio	Lower	Upper
105	100		
120	26.5	7.7	47.7

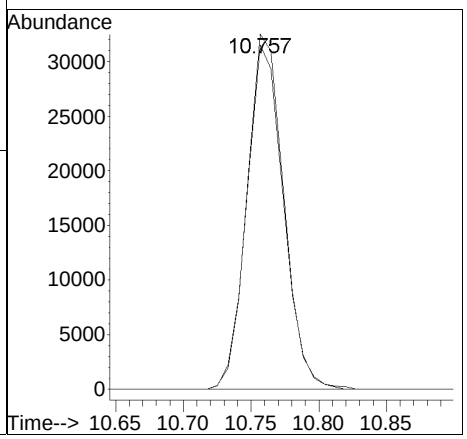


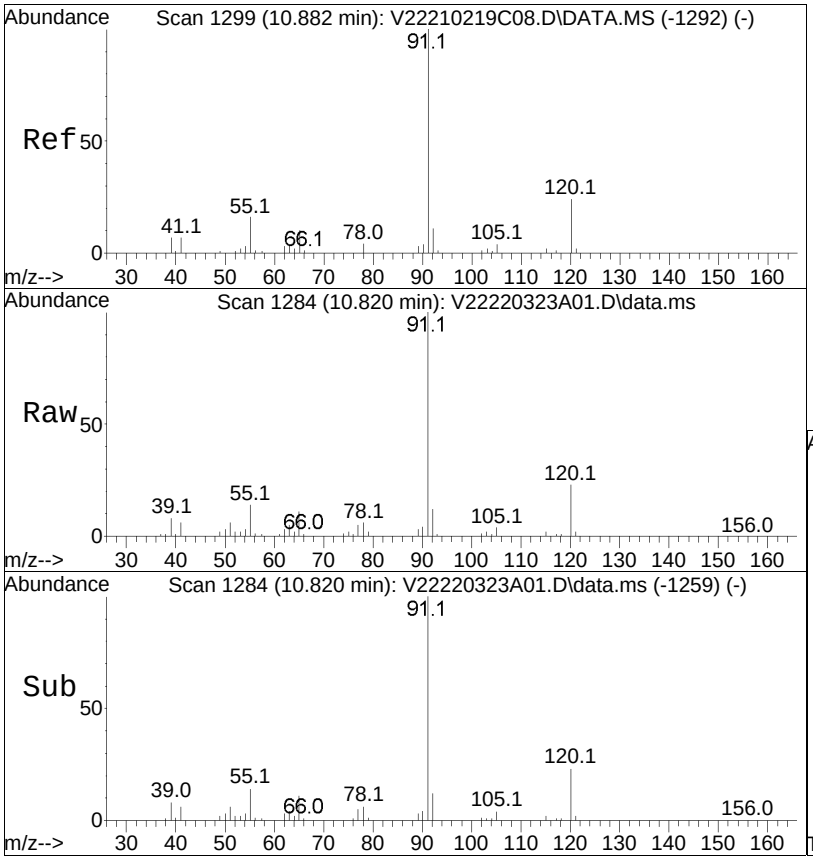


#88
Bromobenzene
Concen: 9.84 ug/L
RT: 10.757 min Scan# 1276
Delta R.T. -0.008 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:156 Resp: 61331

Ion	Ratio	Lower	Upper
156	100		
158	96.8	77.9	116.9

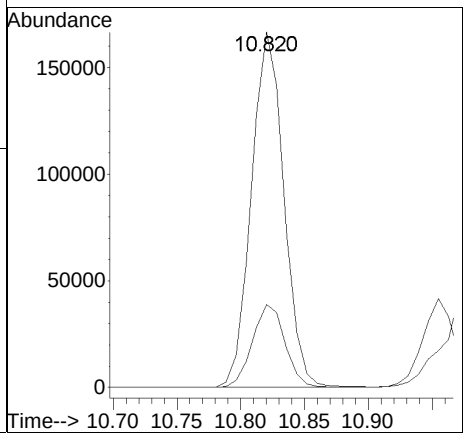


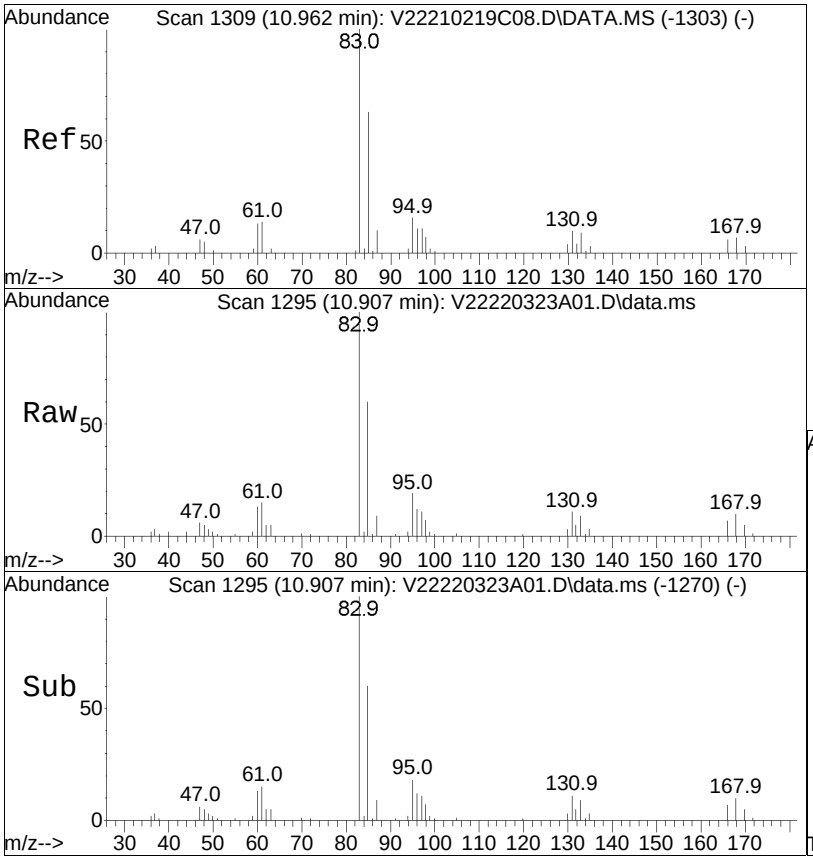


#89
n-Propylbenzene
Concen: 9.63 ug/L
RT: 10.820 min Scan# 1284
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 91 Resp: 295240

Ion	Ratio	Lower	Upper
91	100		
120	23.4	19.5	29.3

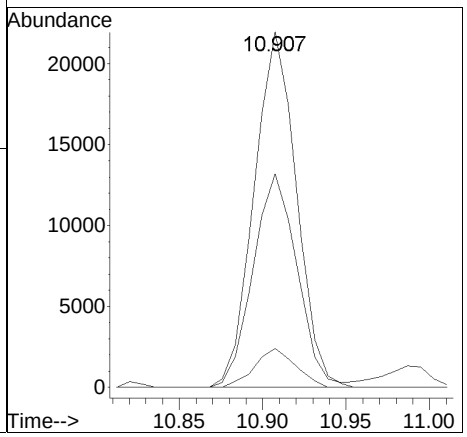


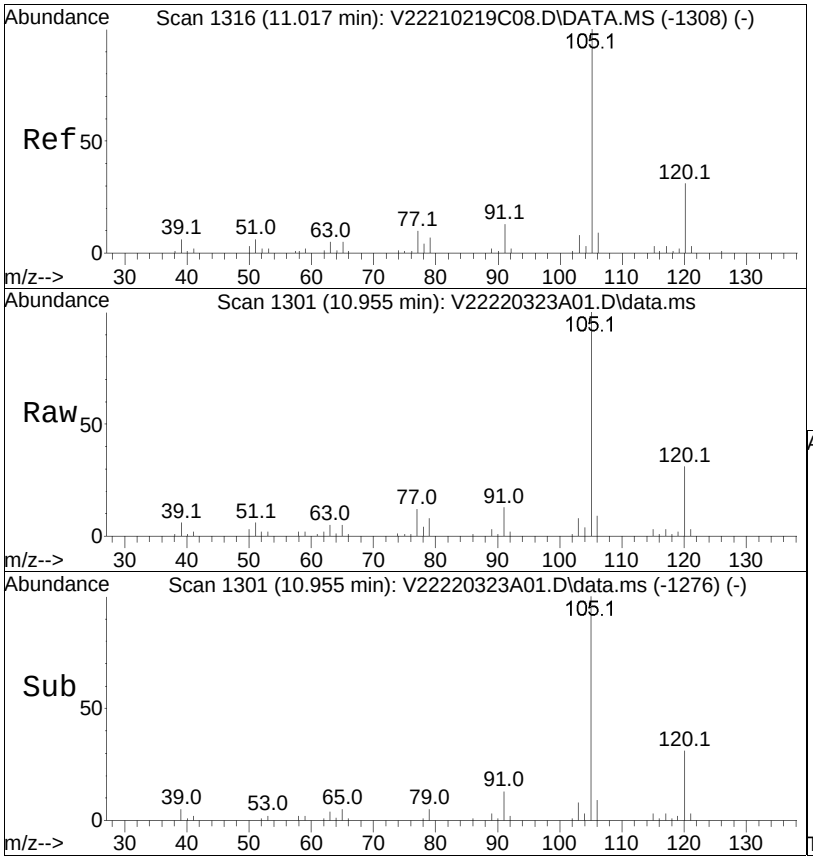


#91
1,1,2,2-Tetrachloroethane
Concen: 9.32 ug/L
RT: 10.907 min Scan# 1295
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 83 Resp: 38775

Ion	Ratio	Lower	Upper
83	100		
131	10.7	0.0	30.8
85	62.4	45.4	85.4

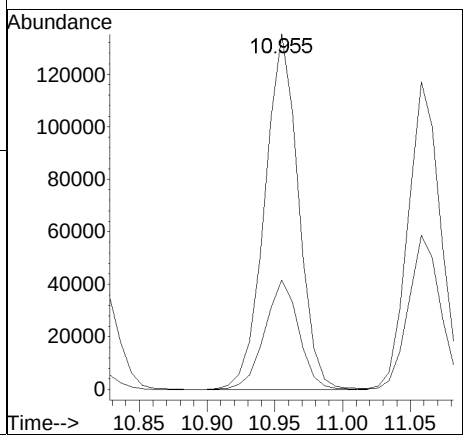


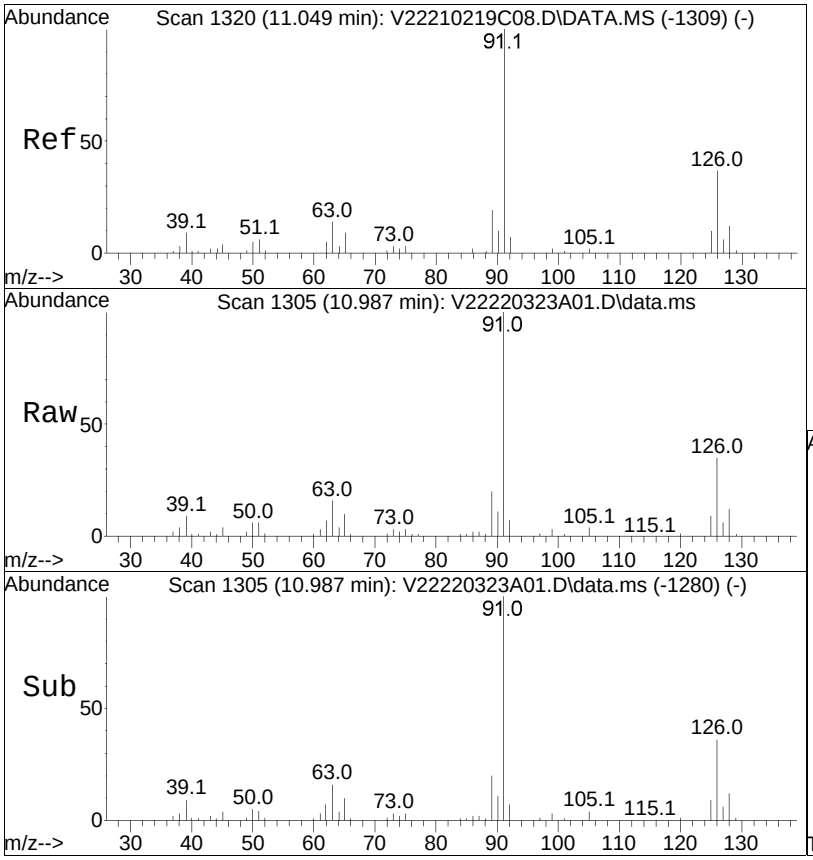


#92
4-Ethyltoluene
Concen: 9.14 ug/L
RT: 10.955 min Scan# 1301
Delta R.T. -0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:105 Resp: 234063

Ion	Ratio	Lower	Upper
105	100		
120	31.0	19.8	41.0

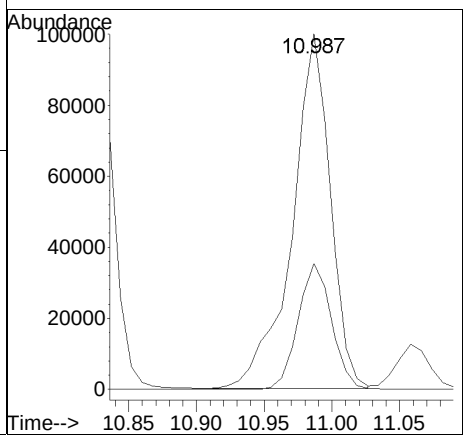


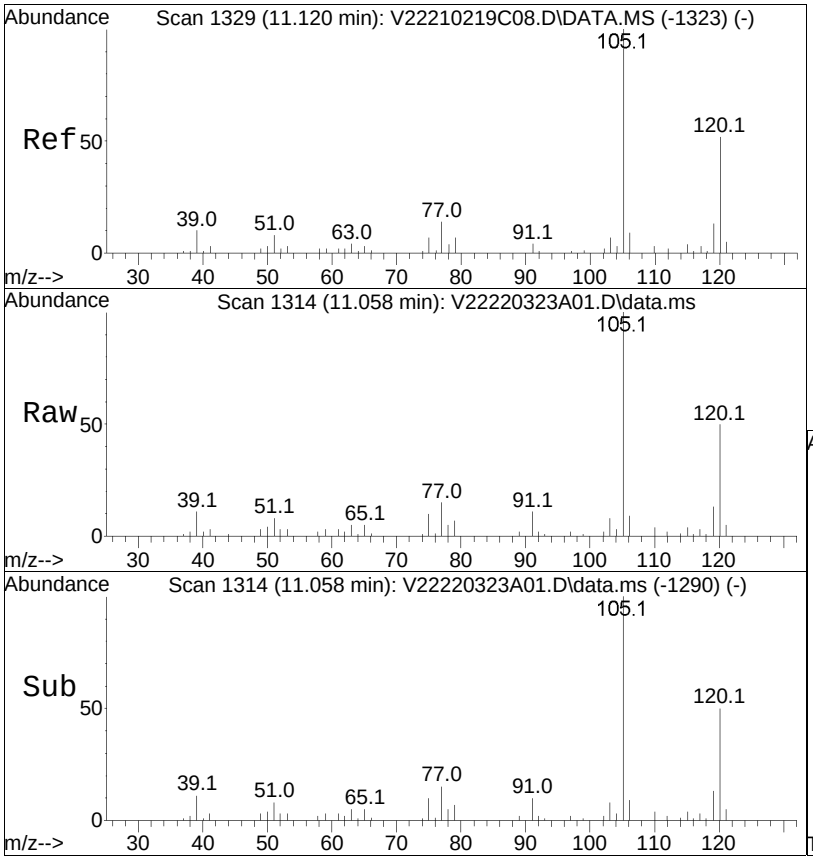


#93
2-Chlorotoluene
Concen: 9.36 ug/L
RT: 10.987 min Scan# 1305
Delta R.T. -0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 91 Resp: 195737

Ion	Ratio	Lower	Upper
91	100		
126	31.1	24.6	37.0

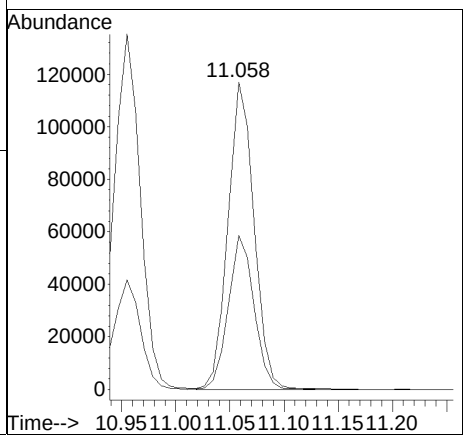


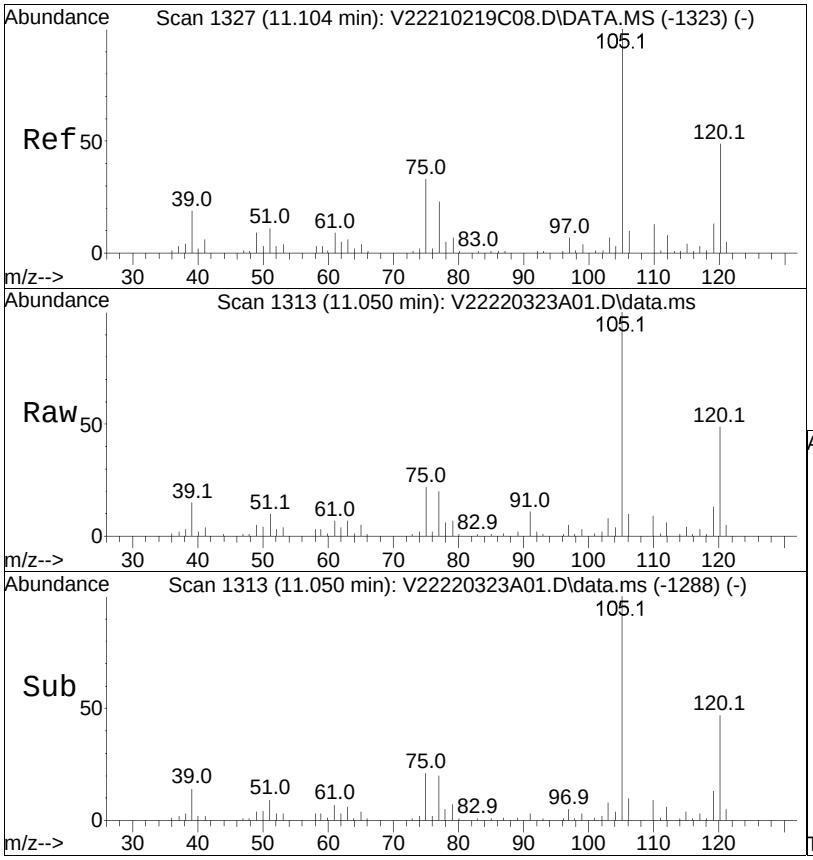


#94
1,3,5-Trimethylbenzene
Concen: 9.09 ug/L
RT: 11.058 min Scan# 1314
Delta R.T. -0.008 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:105 Resp: 195777

Ion	Ratio	Lower	Upper
105	100		
120	49.6	40.9	61.3

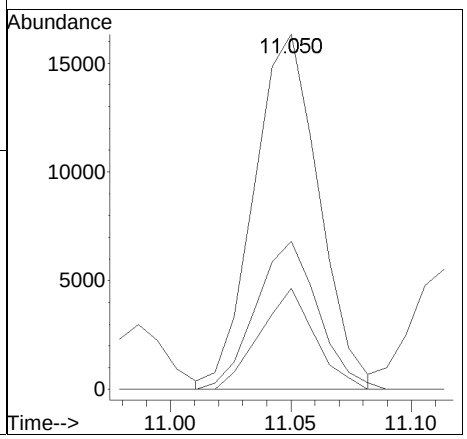


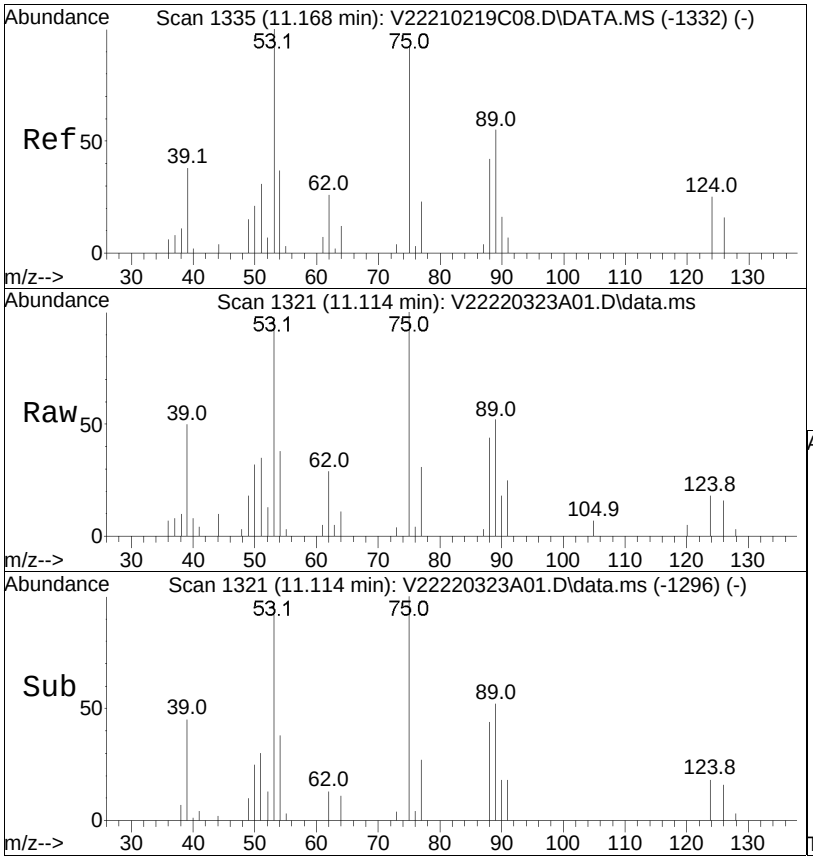


#95
1,2,3-Trichloropropane
Concen: 8.96 ug/L
RT: 11.050 min Scan# 1313
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 75 Resp: 30606

Ion	Ratio	Lower	Upper
75	100		
110	40.0	26.3	54.7
112	24.1	16.8	35.0

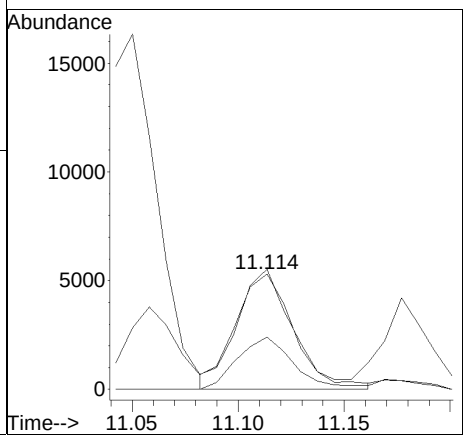


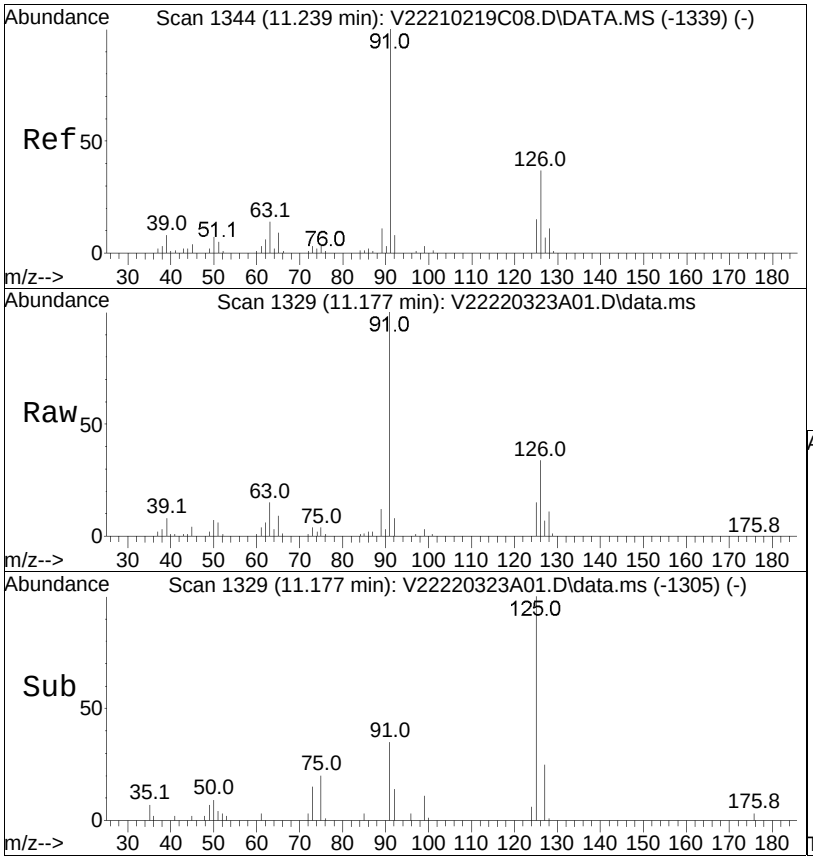


#96
trans-1,4-Dichloro-2-butene
Concen: 7.76 ug/L M1
RT: 11.114 min Scan# 1321
Delta R.T. -0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 53 Resp: 10207

Ion	Ratio	Lower	Upper
53	100		
88	43.2	46.3	69.5#
75	95.9	109.0	163.4#

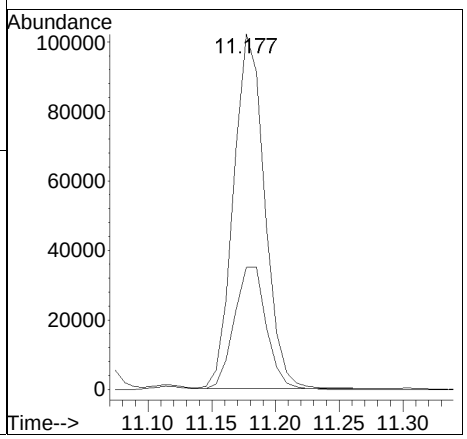


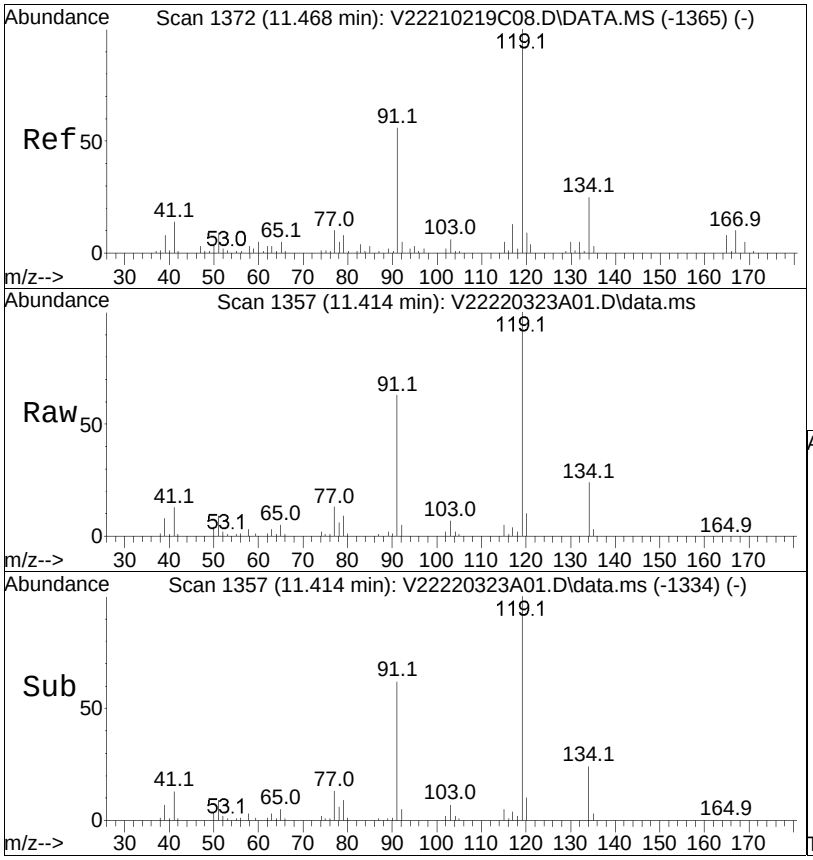


#97
4-Chlorotoluene
Concen: 9.25 ug/L
RT: 11.177 min Scan# 1329
Delta R.T. -0.008 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 91 Resp: 173075

Ion	Ratio	Lower	Upper
91	100		
126	36.0	28.5	42.7

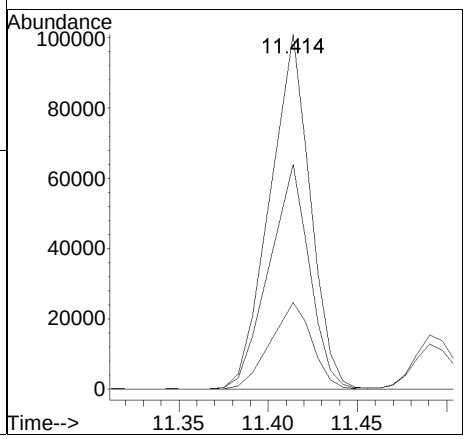


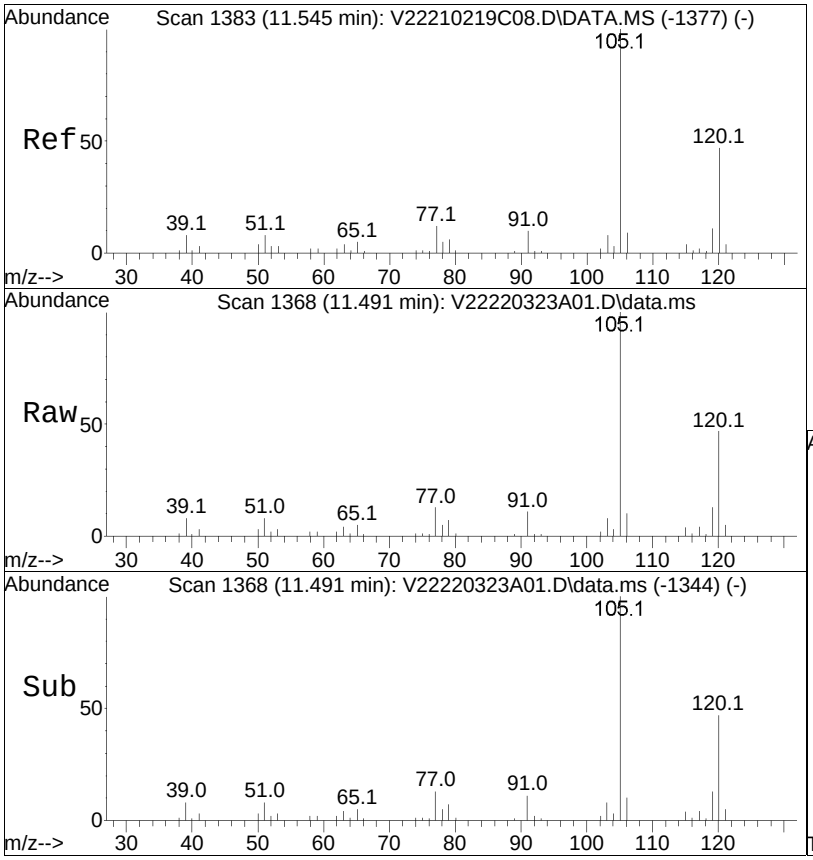


#98
tert-Butylbenzene
Concen: 8.31 ug/L
RT: 11.414 min Scan# 1357
Delta R.T. -0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:119 Resp: 127141

Ion	Ratio	Lower	Upper
119	100		
91	62.9	50.2	75.4
134	25.3	20.8	31.2

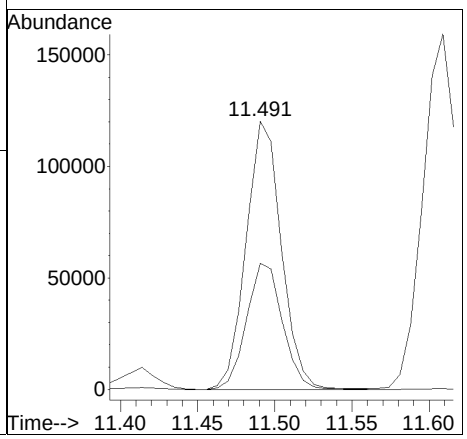


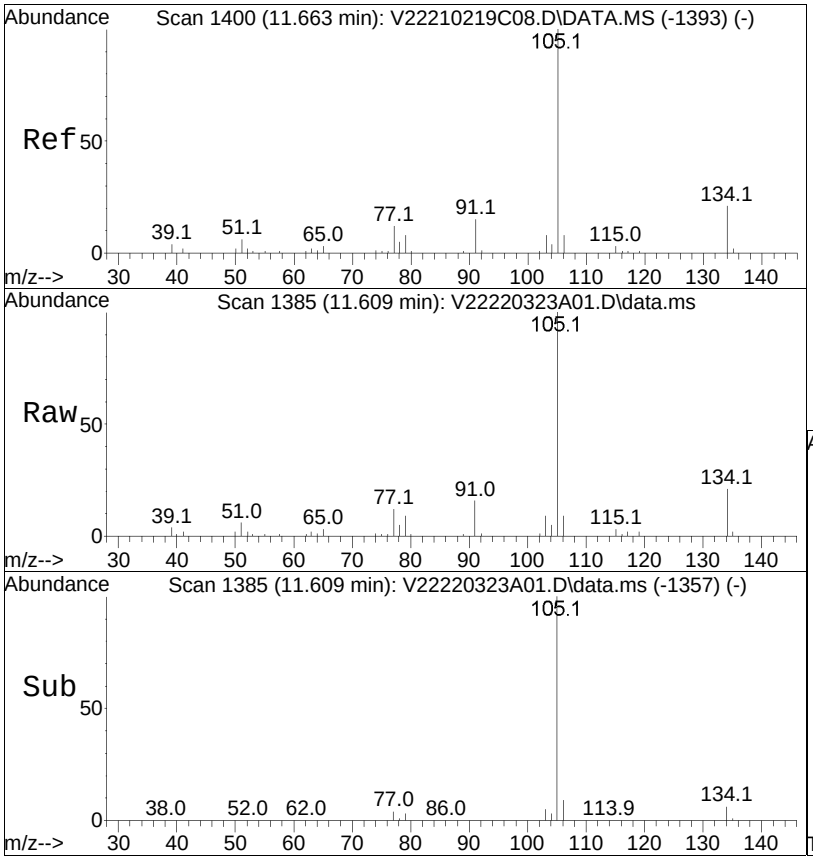


#101
1,2,4-Trimethylbenzene
Concen: 9.05 ug/L
RT: 11.491 min Scan# 1368
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:105 Resp: 191471

Ion	Ratio	Lower	Upper
105	100		
120	47.8	38.5	57.7

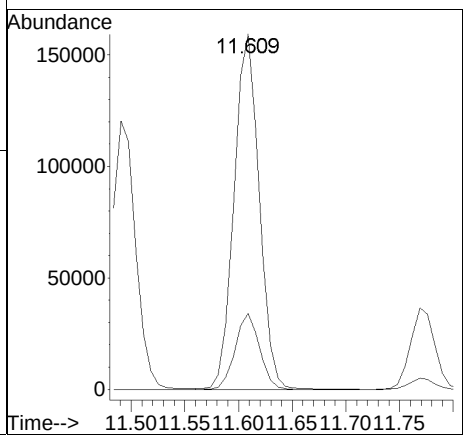


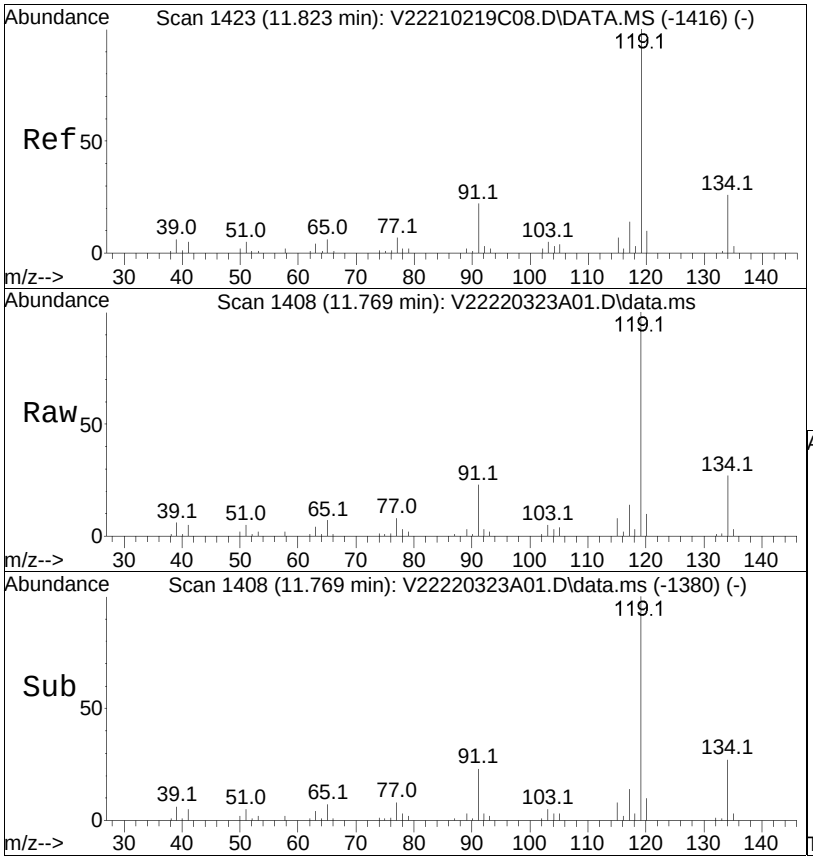


#102
sec-Butylbenzene
Concen: 9.54 ug/L
RT: 11.609 min Scan# 1385
Delta R.T. -0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:105 Resp: 259454

Ion	Ratio	Lower	Upper
105	100		
134	20.6	13.9	28.9

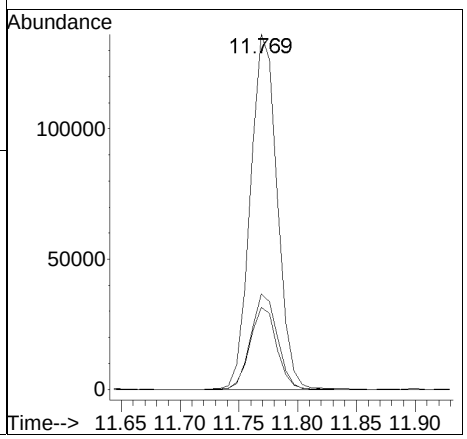


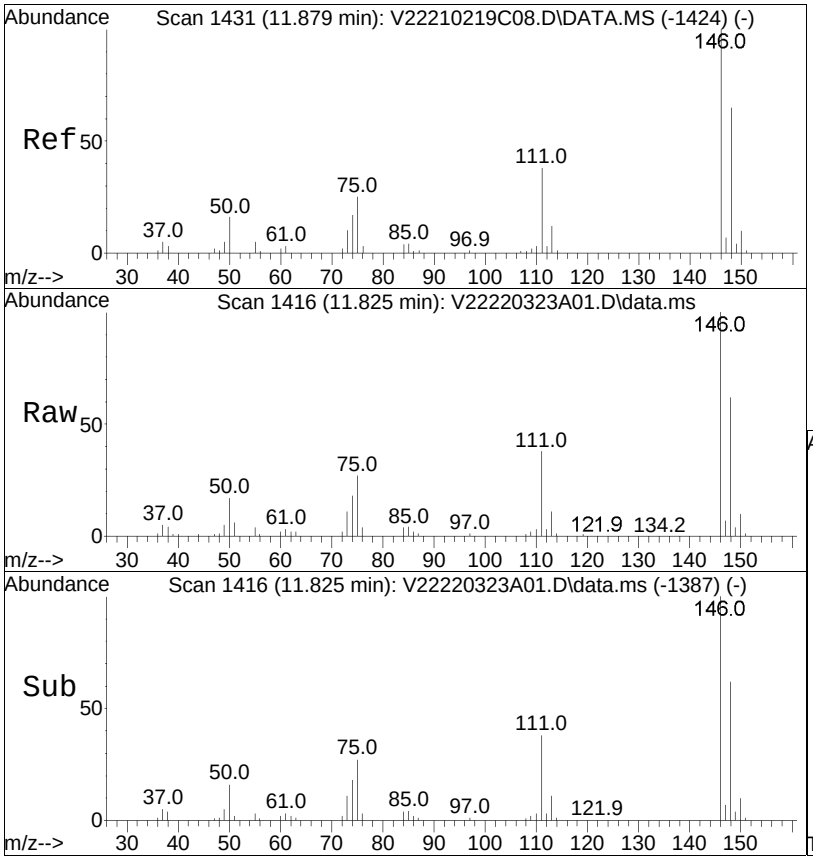


#103
p-Isopropyltoluene
Concen: 9.22 ug/L
RT: 11.769 min Scan# 1408
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:119 Resp: 216152

Ion	Ratio	Lower	Upper
119	100		
134	26.6	17.7	36.7
91	23.1	14.1	29.3

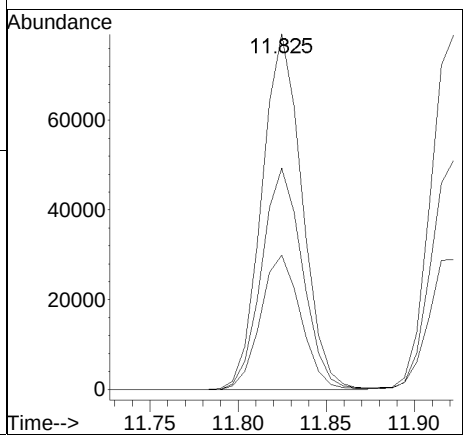


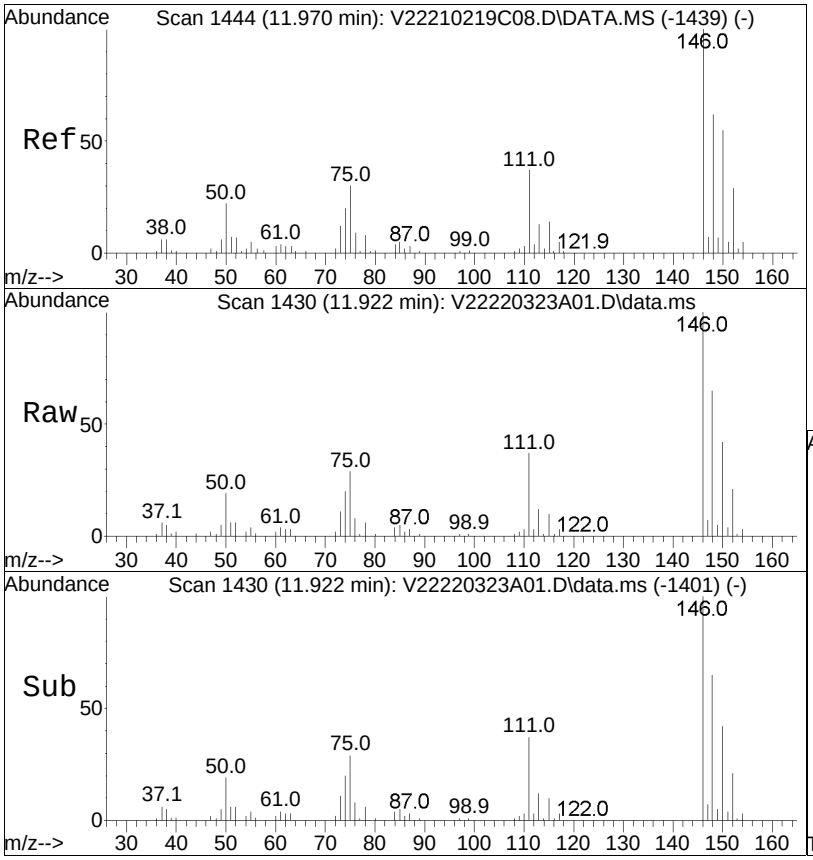


#104
1,3-Dichlorobenzene
Concen: 10.05 ug/L
RT: 11.825 min Scan# 1416
Delta R.T. -0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:146 Resp: 125911

Ion	Ratio	Lower	Upper
146	100		
111	37.8	24.0	49.8
148	63.1	41.8	86.8

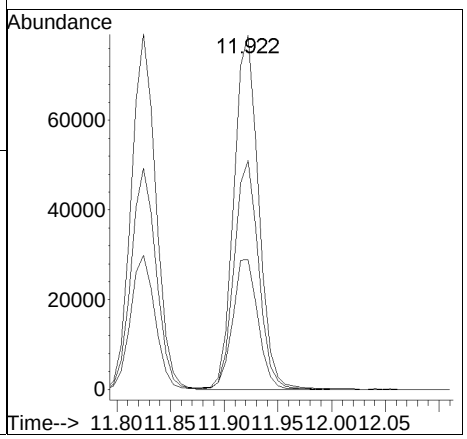


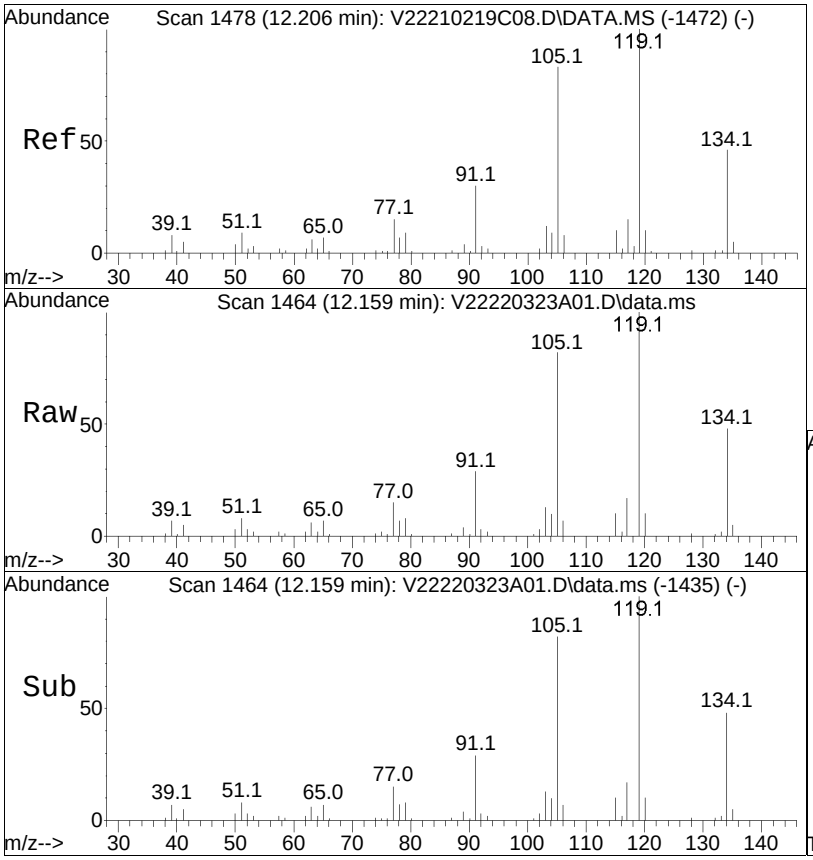


#105
1,4-Dichlorobenzene
Concen: 10.02 ug/L
RT: 11.922 min Scan# 1430
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:146 Resp: 126928

Ion	Ratio	Lower	Upper
146	100		
111	37.6	28.9	43.3
148	63.9	51.4	77.2

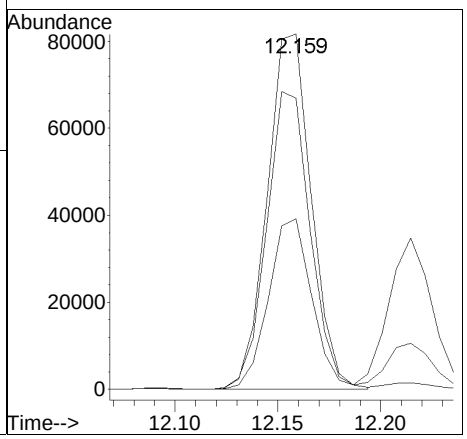


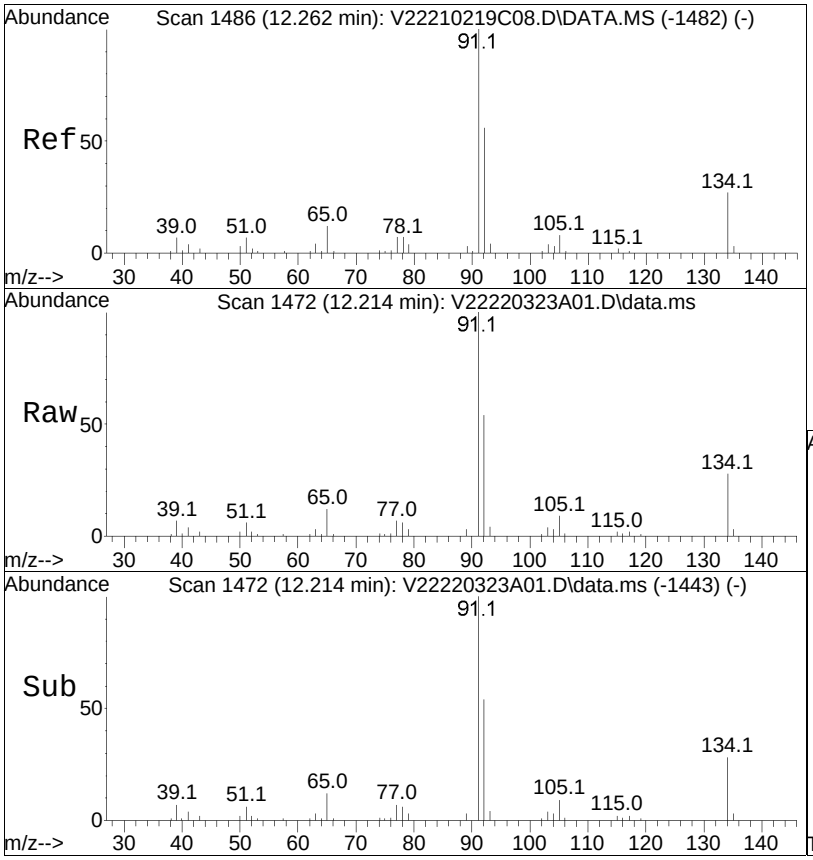


#106
p-Diethylbenzene
Concen: 8.95 ug/L
RT: 12.159 min Scan# 1464
Delta R.T. -0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:119 Resp: 121982

Ion	Ratio	Lower	Upper
119	100		
105	82.9	53.4	110.8
134	47.3	30.9	64.1

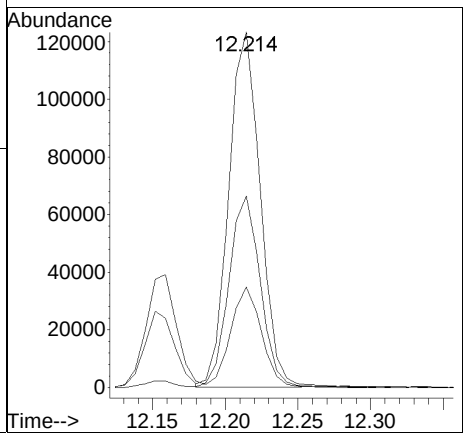


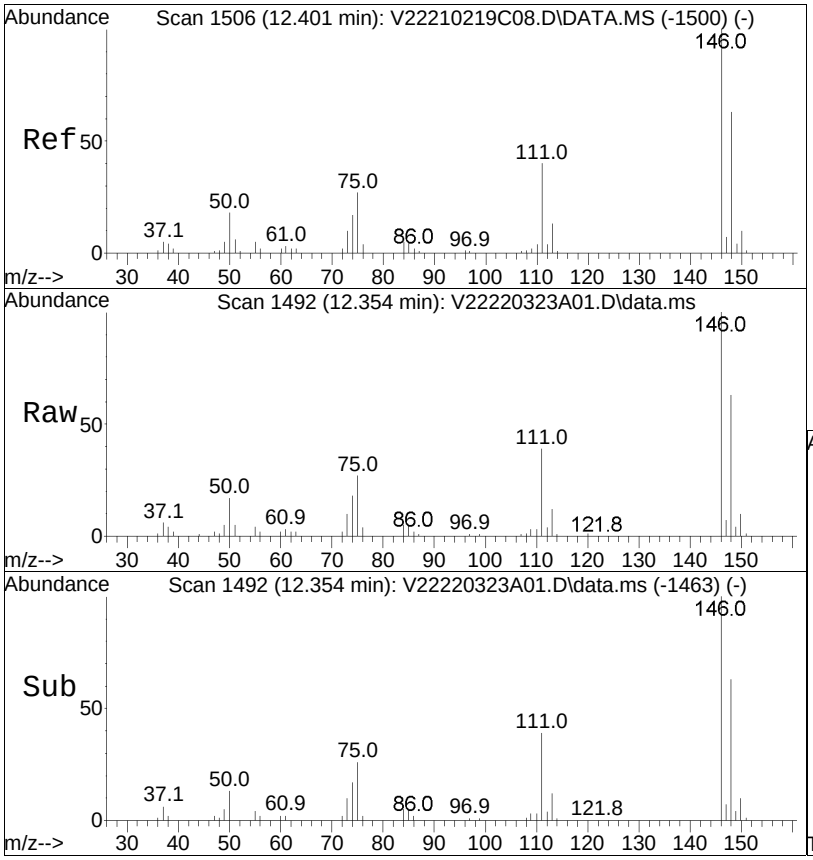


#107
n-Butylbenzene
Concen: 9.85 ug/L
RT: 12.214 min Scan# 1472
Delta R.T. -0.001 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion: 91 Resp: 185995

Ion	Ratio	Lower	Upper
91	100		
92	54.0	44.6	66.8
134	27.7	22.9	34.3

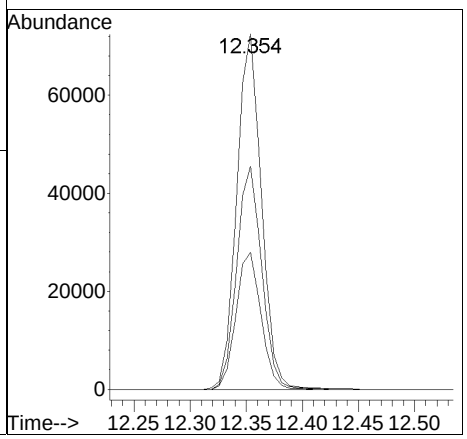


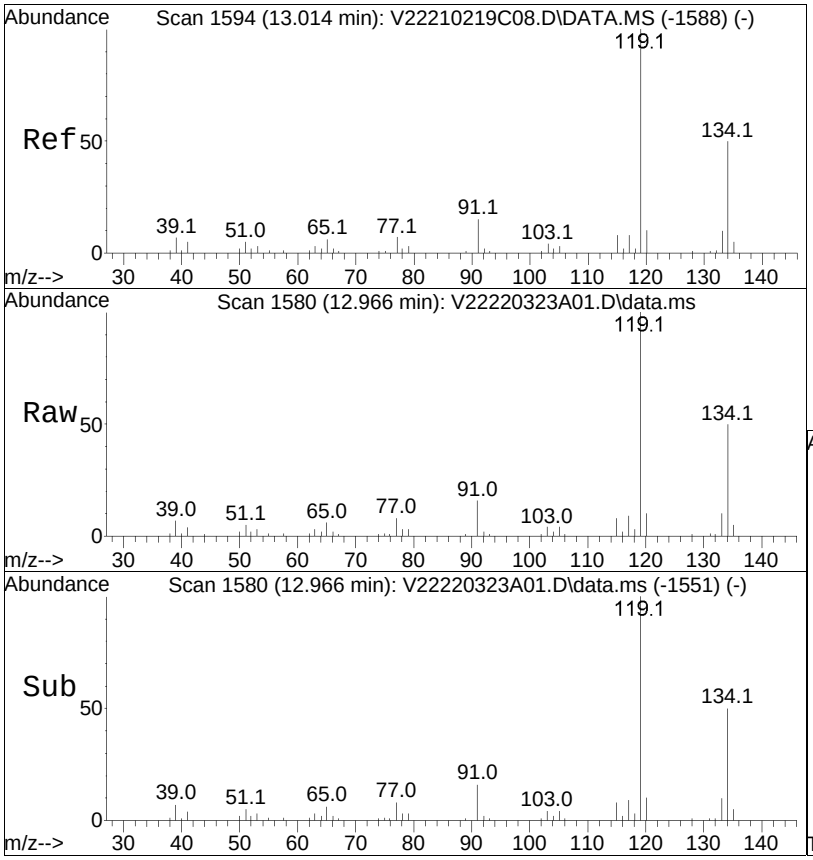


#108
1,2-Dichlorobenzene
Concen: 9.74 ug/L
RT: 12.354 min Scan# 1492
Delta R.T. -0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:146 Resp: 111128

Ion	Ratio	Lower	Upper
146	100		
111	39.0	24.8	51.6
148	63.4	42.2	87.6

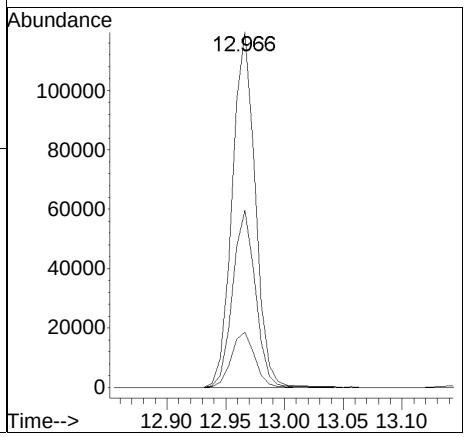


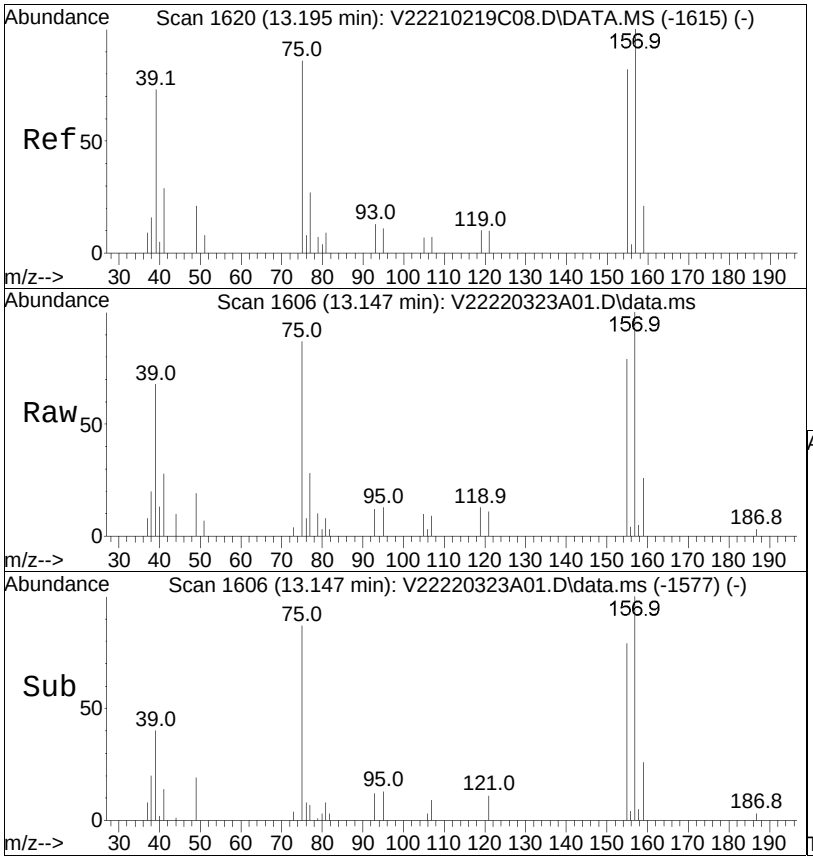


#109
1,2,4,5-Tetramethylbenzene
Concen: 8.17 ug/L
RT: 12.966 min Scan# 1580
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:119 Resp: 163107

Ion	Ratio	Lower	Upper
119	100		
134	49.5	31.9	66.1
91	15.8	9.8	20.3

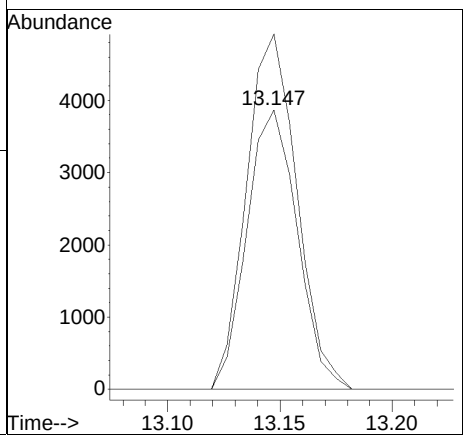


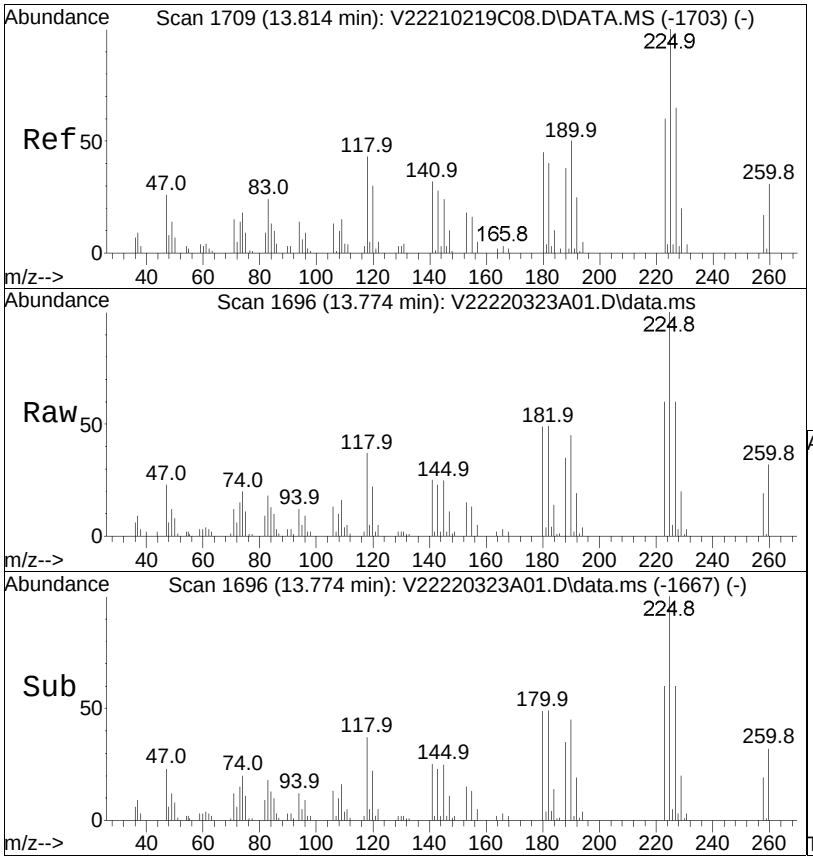


#110
1,2-Dibromo-3-chloropropane
Concen: 8.51 ug/L
RT: 13.147 min Scan# 1606
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:155 Resp: 6047

Ion	Ratio	Lower	Upper
155	100		
157	127.4	102.3	153.5

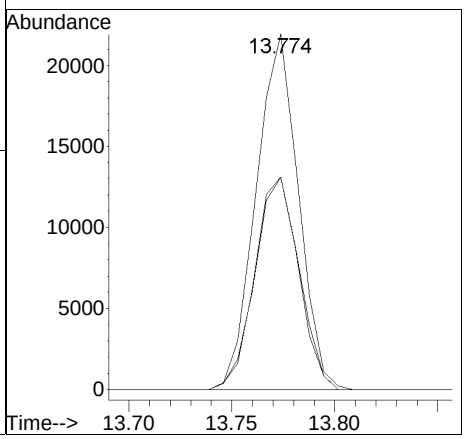


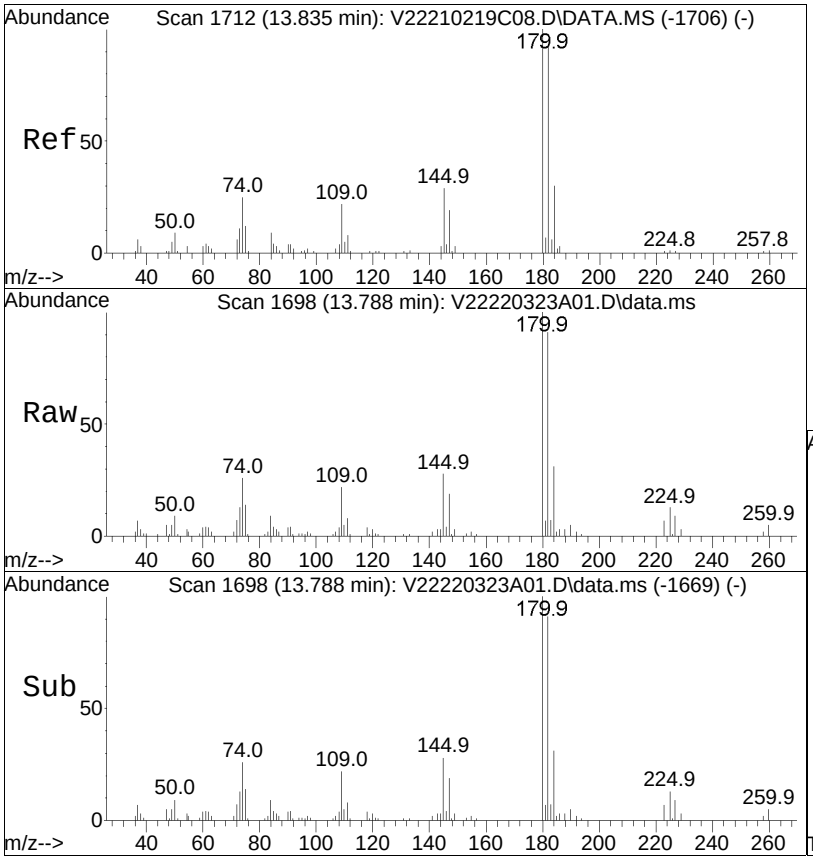


#112
Hexachlorobutadiene
Concen: 11.67 ug/L
RT: 13.774 min Scan# 1696
Delta R.T. -0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:225 Resp: 31285

Ion	Ratio	Lower	Upper
225	100		
223	61.5	49.8	74.8
227	62.7	52.2	78.4

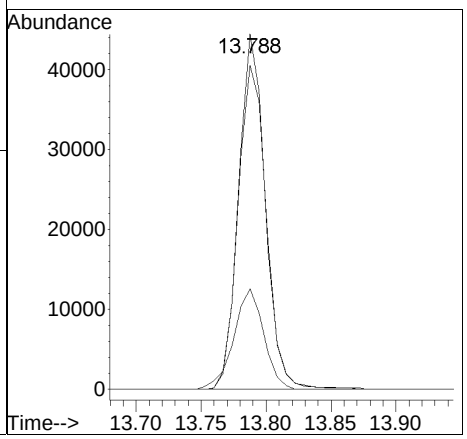


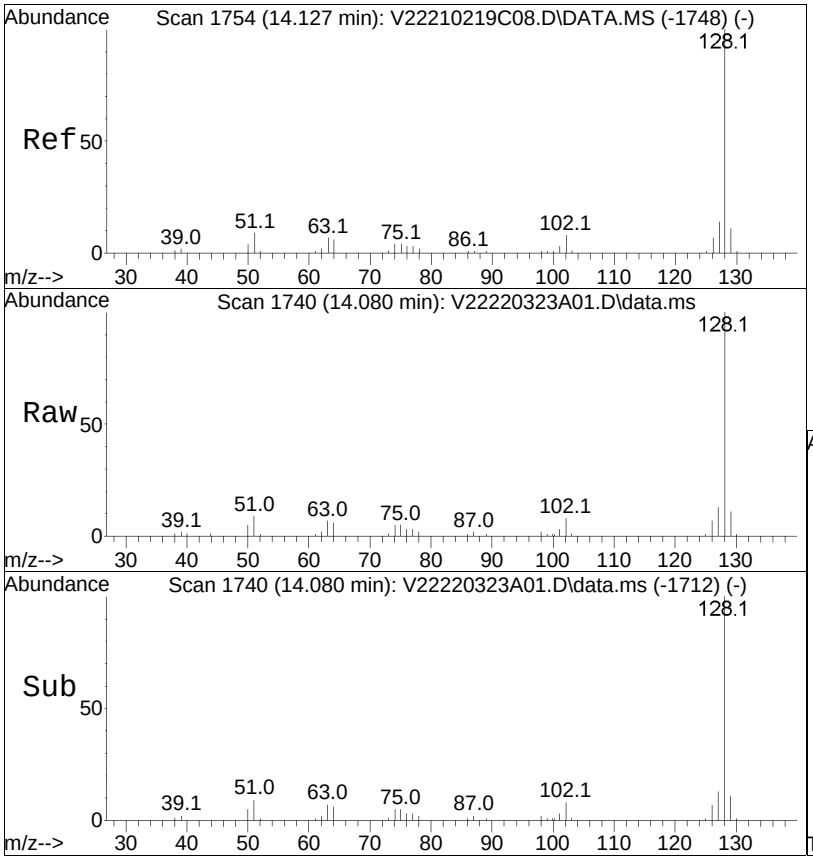


#113
1,2,4-Trichlorobenzene
Concen: 9.62 ug/L
RT: 13.788 min Scan# 1698
Delta R.T. -0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:180 Resp: 63797

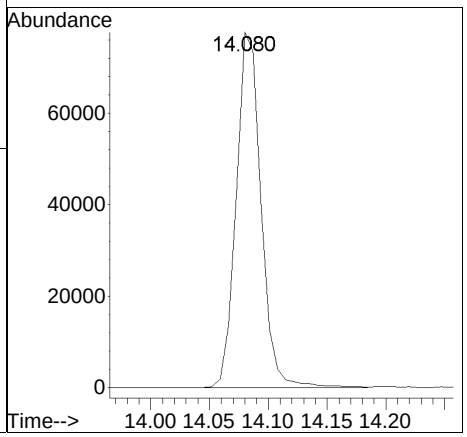
Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.6	114.8
145	31.7	25.5	38.3

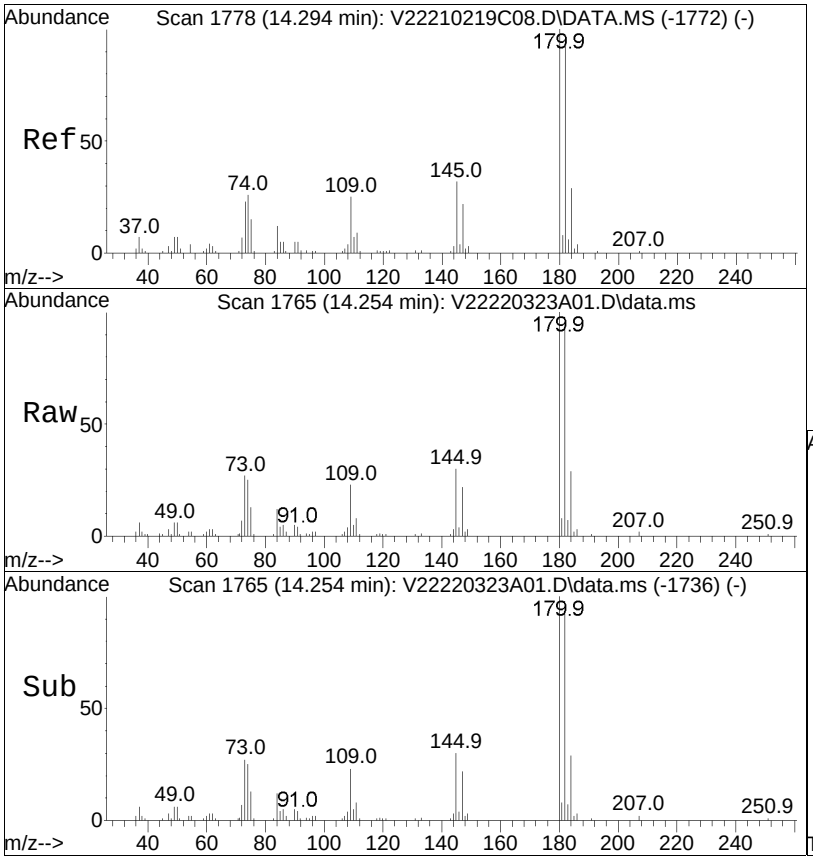




#114
Naphthalene
Concen: 7.57 ug/L
RT: 14.080 min Scan# 1740
Delta R.T. -0.007 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:128 Resp: 113767

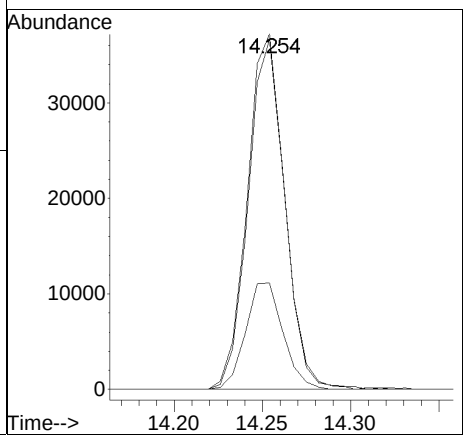




#115
1,2,3-Trichlorobenzene
Concen: 9.66 ug/L
RT: 14.254 min Scan# 1765
Delta R.T. 0.000 min
Lab File: V22220323A01.D
Acq: 23 Mar 2022 09:24 am

Tgt Ion:180 Resp: 55048

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.0	114.0
145	30.0	23.8	35.8

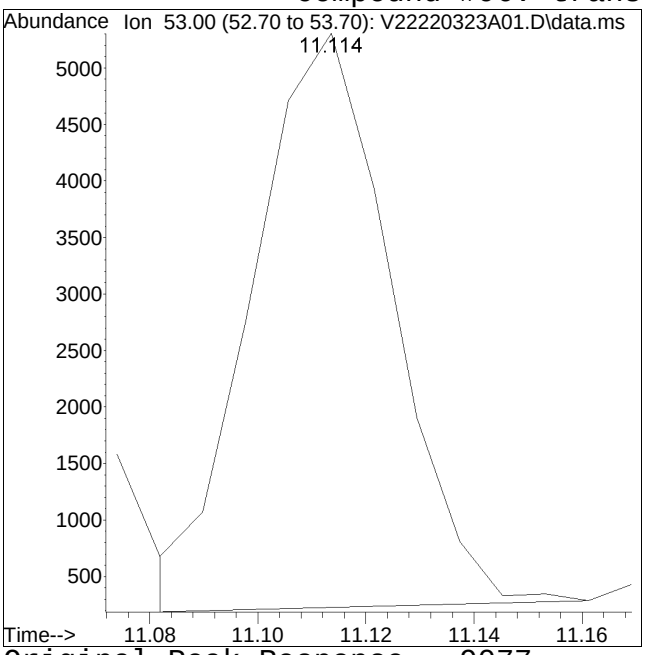


Manual Integration Report

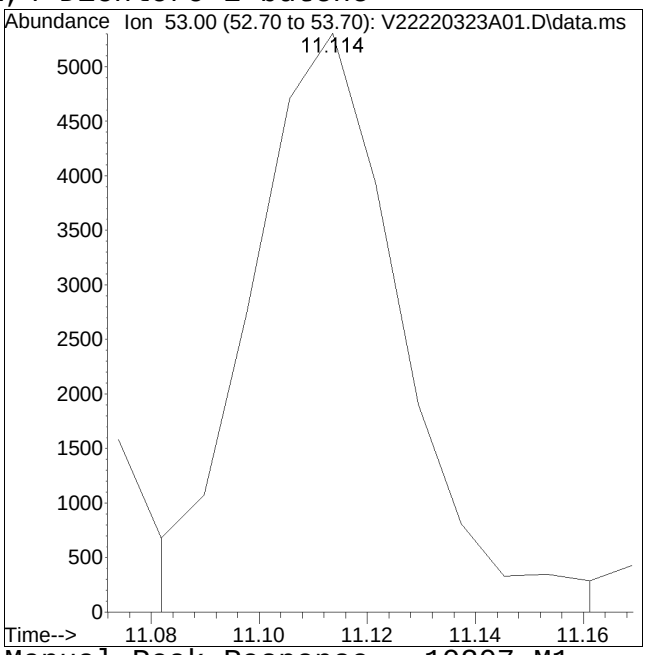
Data Path : I:\VOLATILES\VOA122\2022\2Q
Data File : V22220323A01.D
Date Inj'd : 3/23/2022 9:24 am
Sample : WG1619277-3,31,10,10

Method : V122_220128N_8260D.m
Operator : VOA122:PD
Instrument : VOA122
Quant Date : 3/23/2022 10:05 am

Compound #96: trans-1,4-Dichloro-2-butene



Original Peak Response = 9077



Manual Peak Response = 10207 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A01.D
Acq On : 24 Mar 2022 7:02 am
Operator : ELAINE:PD
Sample : WG1619786-3,31,10,10
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:28:01 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.312	96	180008	10.000	ug/L	0.00
Standard Area 1 = 180008			Recovery = 100.00%			
59) Chlorobenzene-d5	8.386	117	131992	10.000	ug/L	0.00
Standard Area 1 = 131992			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	9.894	152	68168	10.000	ug/L	0.00
Standard Area 1 = 68168			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.296	113	44395	10.058	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.58%			
43) 1,2-Dichloroethane-d4	4.961	65	50667	9.672	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.72%			
60) Toluene-d8	7.042	98	173533	10.030	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.30%			
83) 4-Bromofluorobenzene	9.221	95	64457	9.932	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.32%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.896	85	28714	10.018	ug/L	97
3) Chloromethane	1.013	50	46713	11.457	ug/L	97
4) Vinyl chloride	1.060	62	39600	10.497	ug/L	99
5) Bromomethane	1.255	94	18190	13.752	ug/L	99
6) Chloroethane	1.330	64	20099	11.722	ug/L	97
7) Trichlorofluoromethane	1.422	101	43215	10.409	ug/L	98
8) Ethyl ether	1.642	74	15065	9.934	ug/L	89
10) 1,1-Dichloroethene	1.767	96	25966	9.848	ug/L	93
11) Carbon disulfide	1.773	76	65547	10.551	ug/L	100
15) Methylene chloride	2.229	84	34656	10.522	ug/L	90
17) Acetone	2.282	43	8223	10.554	ug/L	94
18) trans-1,2-Dichloroethene	2.365	96	29803	10.597	ug/L	89
20) Methyl tert-butyl ether	2.477	73	60488	9.048	ug/L #	88
23) 1,1-Dichloroethane	2.966	63	65905	10.546	ug/L	97
25) Acrylonitrile	3.041	53	9301	9.035	ug/L	98
27) Vinyl acetate	3.311	43	65033	8.792	ug/L #	95
28) cis-1,2-Dichloroethene	3.617	96	33603	10.357	ug/L	86
29) 2,2-Dichloropropane	3.745	77	40021	10.969	ug/L #	64
30) Bromochloromethane	3.884	128	16111	10.829	ug/L	90
32) Chloroform	4.046	83	57433	10.869	ug/L	98

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A01.D
Acq On : 24 Mar 2022 7:02 am
Operator : ELAINE:PD
Sample : WG1619786-3,31,10,10
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:28:01 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	4.163	117	38775	10.221	ug/L		99
37) 1,1,1-Trichloroethane	4.265	97	44562	10.326	ug/L	#	96
39) 2-Butanone	4.499	43	8931M4	7.959	ug/L		
40) 1,1-Dichloropropene	4.446	75	37681	9.770	ug/L		98
41) Benzene	4.769	78	124292	10.059	ug/L		98
44) 1,2-Dichloroethane	5.045	62	43157	10.147	ug/L		98
48) Trichloroethene	5.509	95	32310	10.739	ug/L		90
50) Dibromomethane	5.971	93	16060	9.979	ug/L		92
51) 1,2-Dichloropropane	6.085	63	38030	10.862	ug/L	#	92
54) Bromodichloromethane	6.199	83	41026	10.416	ug/L		97
57) 1,4-Dioxane	6.427	88	8456	497.734	ug/L		95
58) cis-1,3-Dichloropropene	6.867	75	44550	9.892	ug/L		94
61) Toluene	7.092	92	81736	10.497	ug/L		96
62) 4-Methyl-2-pentanone	7.526	58	7569	8.012	ug/L	#	73
63) Tetrachloroethene	7.460	166	30295	10.370	ug/L		89
65) trans-1,3-Dichloropropene	7.543	75	33501	9.164	ug/L		85
68) 1,1,2-Trichloroethane	7.676	83	18639	9.488	ug/L		95
69) Chlorodibromomethane	7.816	129	26219	9.644	ug/L		94
70) 1,3-Dichloropropane	7.894	76	43591	10.016	ug/L		99
71) 1,2-Dibromoethane	7.974	107	20622	8.631	ug/L		95
72) 2-Hexanone	8.230	43	14368	8.988	ug/L	#	91
73) Chlorobenzene	8.397	112	88110	10.642	ug/L		93
74) Ethylbenzene	8.439	91	147906	10.821	ug/L		98
75) 1,1,1,2-Tetrachloroethane	8.458	131	27391	10.065	ug/L		94
76) p/m Xylene	8.547	106	113676	21.687	ug/L		99
77) o Xylene	8.837	106	112998	21.843	ug/L		93
78) Styrene	8.876	104	187312	22.568	ug/L		91
80) Bromoform	8.881	173	14642	9.197	ug/L		97
82) Isopropylbenzene	9.051	105	136035	10.331	ug/L		97
84) Bromobenzene	9.274	156	35730	10.588	ug/L		95
85) n-Propylbenzene	9.312	91	153919	10.271	ug/L		97
87) 1,1,2,2-Tetrachloroethane	9.374	83	25074	9.239	ug/L		95
88) 4-Ethyltoluene	9.382	105	130570	10.527	ug/L		98
89) 2-Chlorotoluene	9.396	91	117275	10.485	ug/L		94
90) 1,3,5-Trimethylbenzene	9.438	105	112948	10.714	ug/L		93
91) 1,2,3-Trichloropropane	9.438	75	21919	9.461	ug/L		95
92) trans-1,4-Dichloro-2-b...	9.474	53	9036M4	9.390	ug/L		
93) 4-Chlorotoluene	9.499	91	109479	10.687	ug/L		95
94) tert-Butylbenzene	9.624	119	87646	10.381	ug/L		98

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A01.D
Acq On : 24 Mar 2022 7:02 am
Operator : ELAINE:PD
Sample : WG1619786-3,31,10,10
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:28:01 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.669	105	112926	10.500	ug/L	95
98)	sec-Butylbenzene	9.730	105	114316	10.212	ug/L	100
99)	p-Isopropyltoluene	9.819	119	96829	9.522	ug/L	96
100)	1,3-Dichlorobenzene	9.849	146	66901	11.043	ug/L	97
101)	1,4-Dichlorobenzene	9.902	146	68239	11.108	ug/L	98
102)	p-Diethylbenzene	10.030	119	52914	9.389	ug/L	96
103)	n-Butylbenzene	10.061	91	73529	9.308	ug/L	98
104)	1,2-Dichlorobenzene	10.144	146	62360	10.604	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.487	119	81749	9.106	ug/L	96
106)	1,2-Dibromo-3-chloropr...	10.601	155	2979	8.325	ug/L	85
108)	Hexachlorobutadiene	10.960	225	10010	10.448	ug/L	95
109)	1,2,4-Trichlorobenzene	10.973	180	31610	9.626	ug/L	99
110)	Naphthalene	11.154	128	70040	8.275	ug/L	100
111)	1,2,3-Trichlorobenzene	11.254	180	28893	9.564	ug/L	99

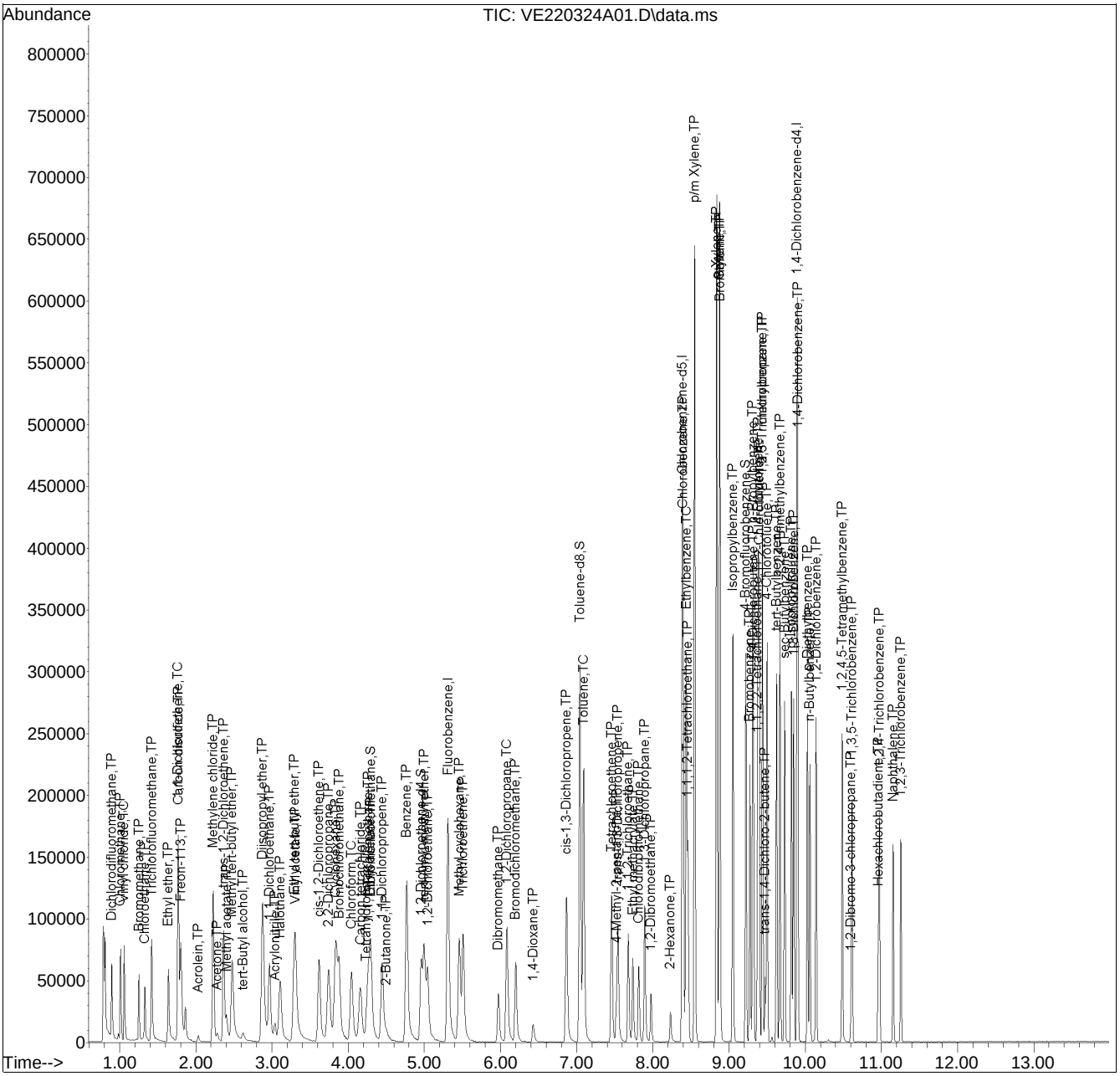
(#) = qualifier out of range (m) = manual integration (+) = signals summed

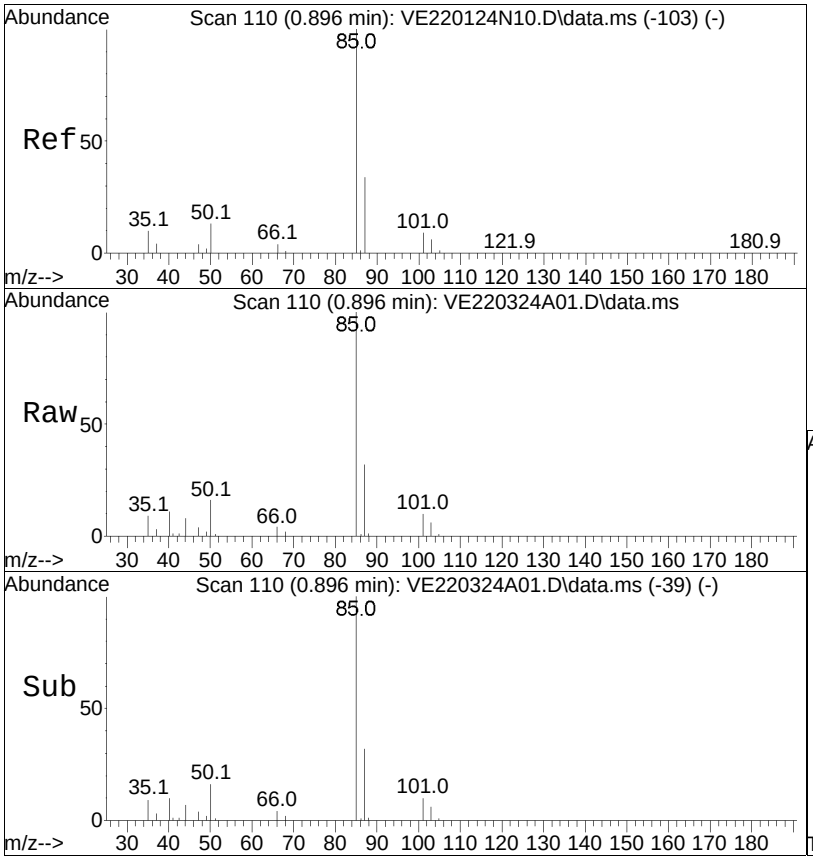
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A01.D
Acq On : 24 Mar 2022 7:02 am
Operator : ELAINE:PD
Sample : WG1619786-3,31,10,10
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:28:01 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

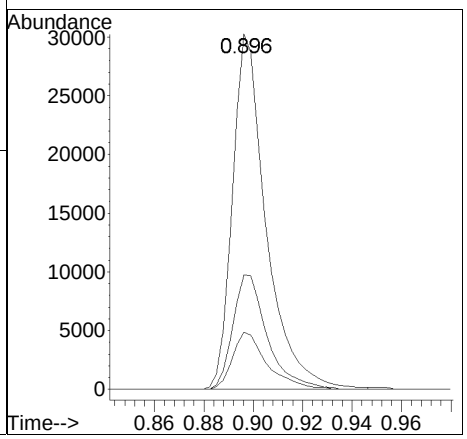


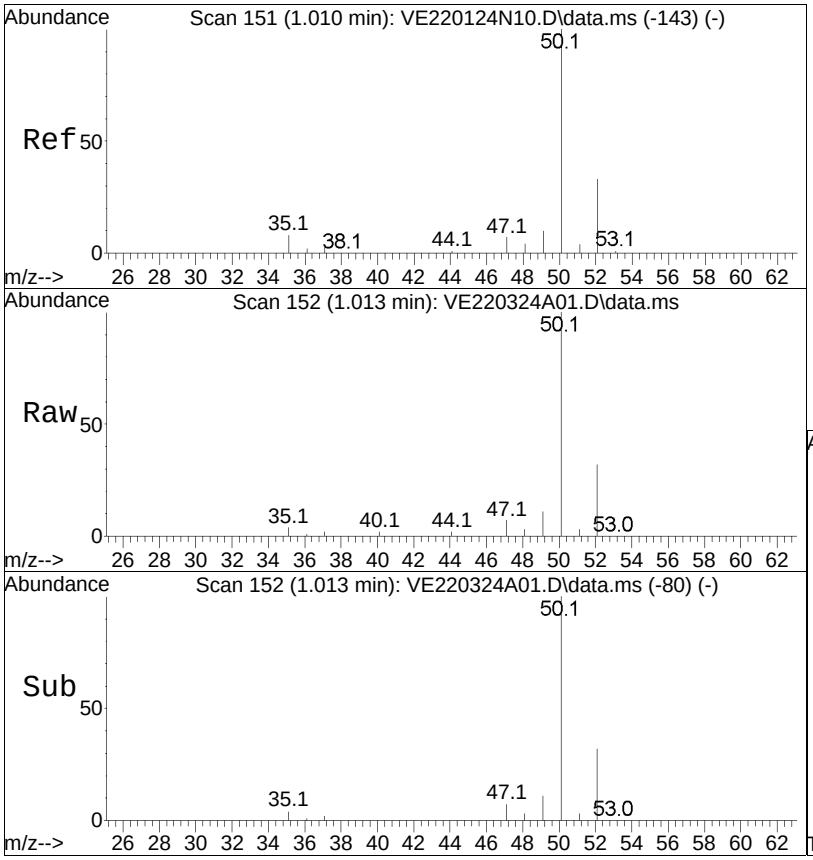


#2
Dichlorodifluoromethane
Concen: 10.02 ug/L
RT: 0.896 min Scan# 110
Delta R.T. -0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 85 Resp: 28714

Ion	Ratio	Lower	Upper
85	100		
87	32.9	21.0	43.6
50	16.8	8.9	18.5

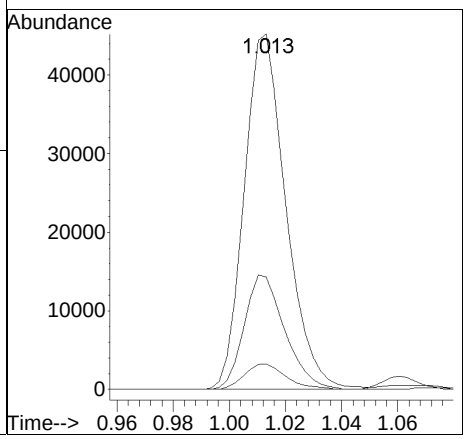


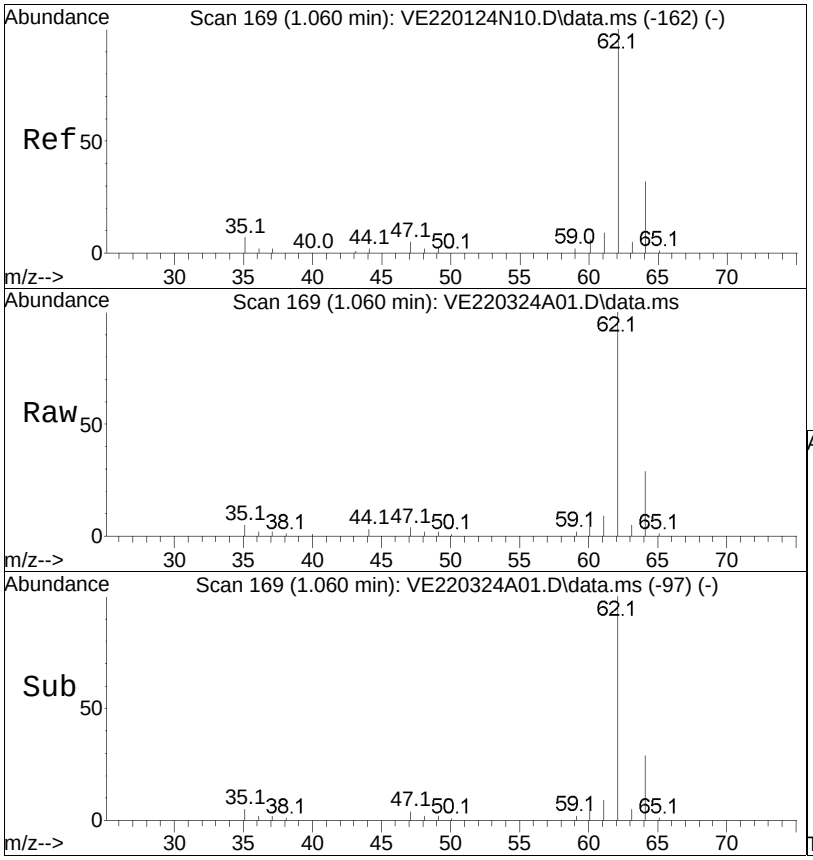


#3
Chloromethane
Concen: 11.46 ug/L
RT: 1.013 min Scan# 152
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 50 Resp: 46713

Ion	Ratio	Lower	Upper
50	100		
52	31.3	12.9	52.9
47	7.2	0.0	28.3

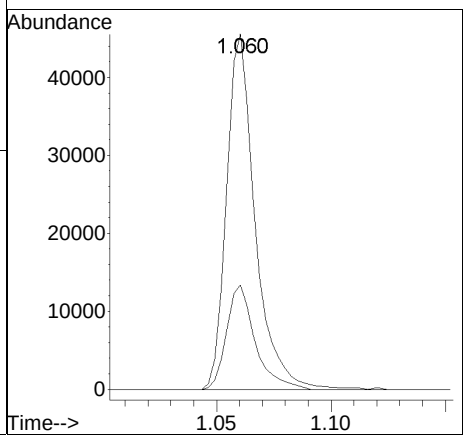


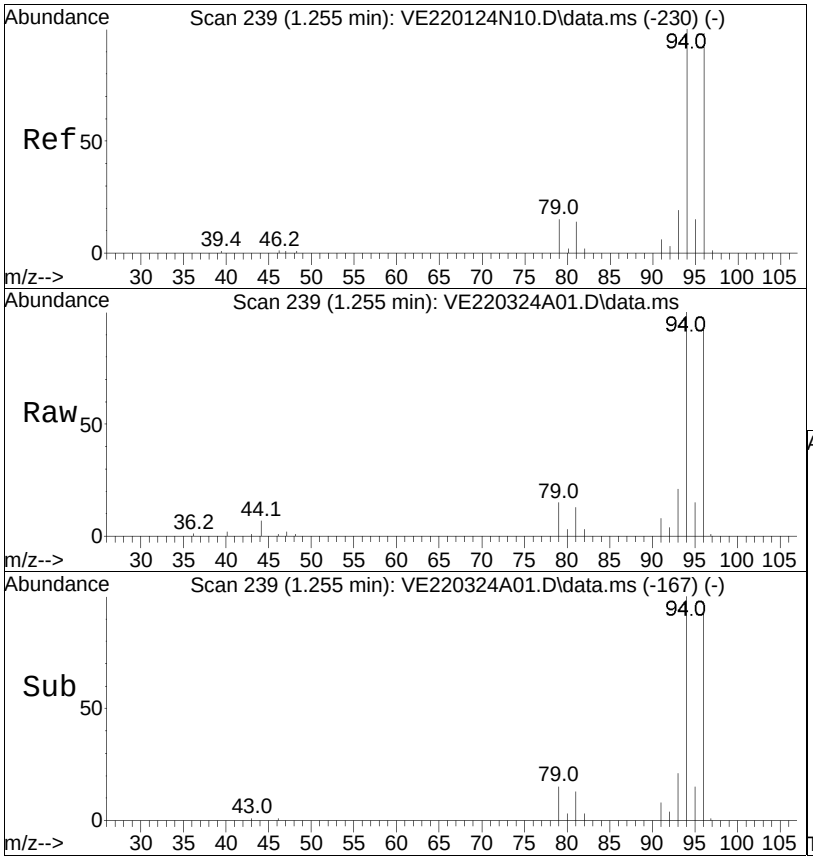


#4
Vinyl chloride
Concen: 10.50 ug/L
RT: 1.060 min Scan# 169
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 62 Resp: 39600

Ion	Ratio	Lower	Upper
62	100		
64	29.4	9.1	49.1

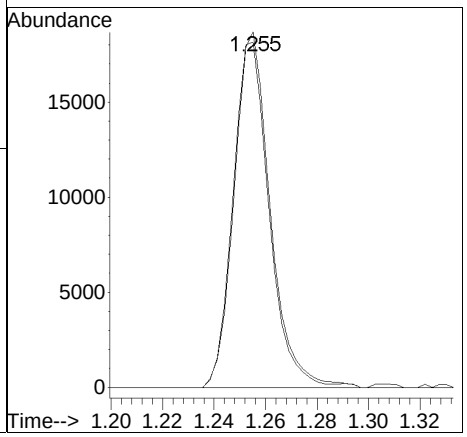


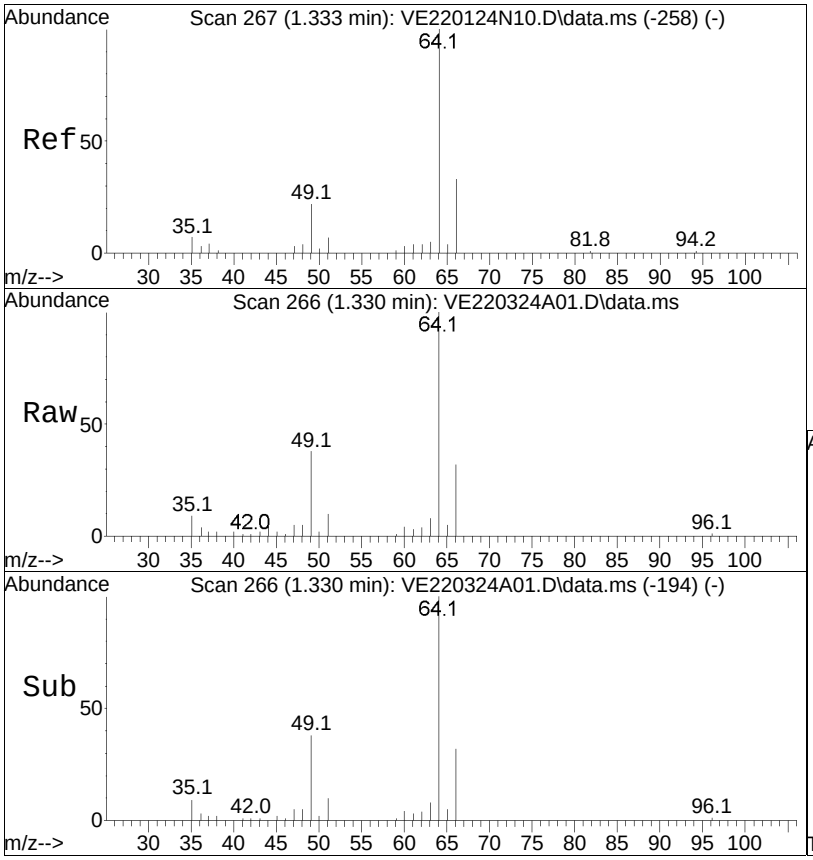


#5
Bromomethane
Concen: 13.75 ug/L
RT: 1.255 min Scan# 239
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 94 Resp: 18190

Ion	Ratio	Lower	Upper
94	100		
96	96.8	75.6	115.6

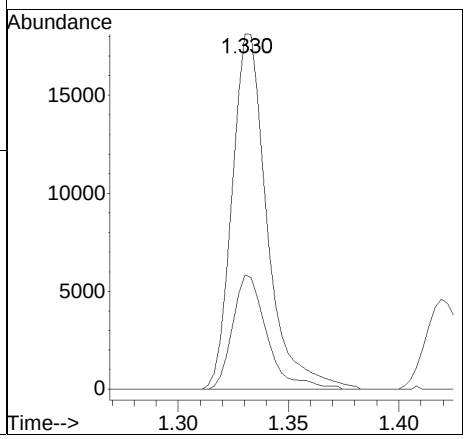


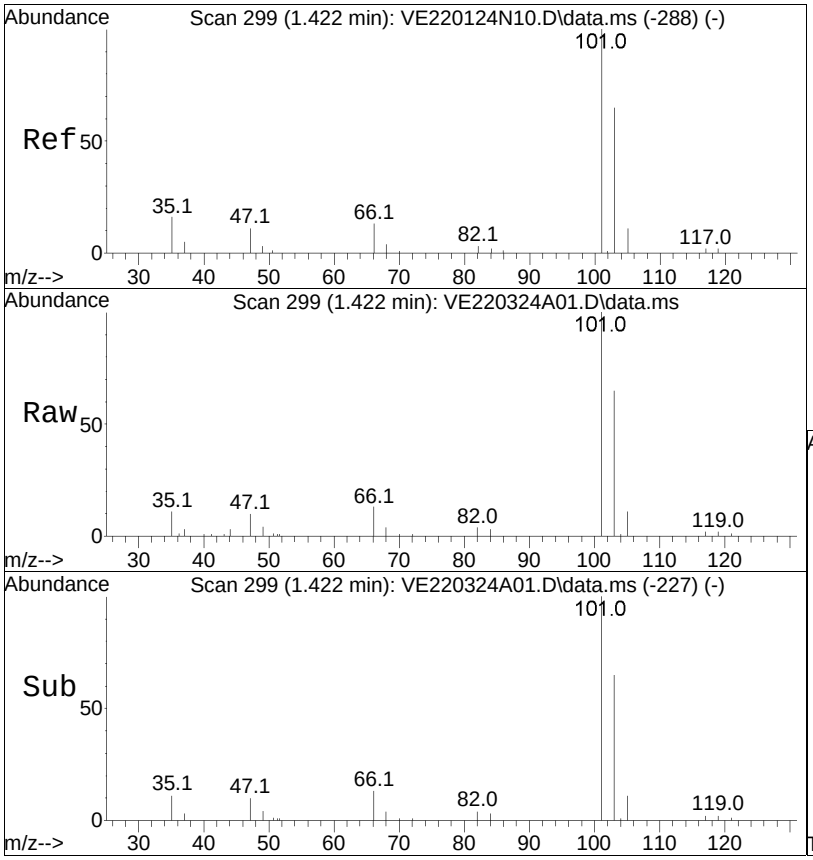


#6
Chloroethane
Concen: 11.72 ug/L
RT: 1.330 min Scan# 266
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 64 Resp: 20099

Ion	Ratio	Lower	Upper
64	100		
66	31.7	9.8	49.8

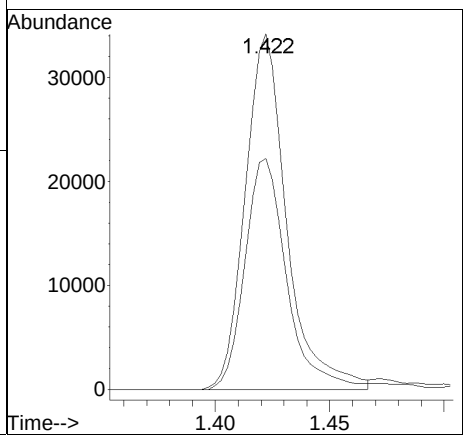


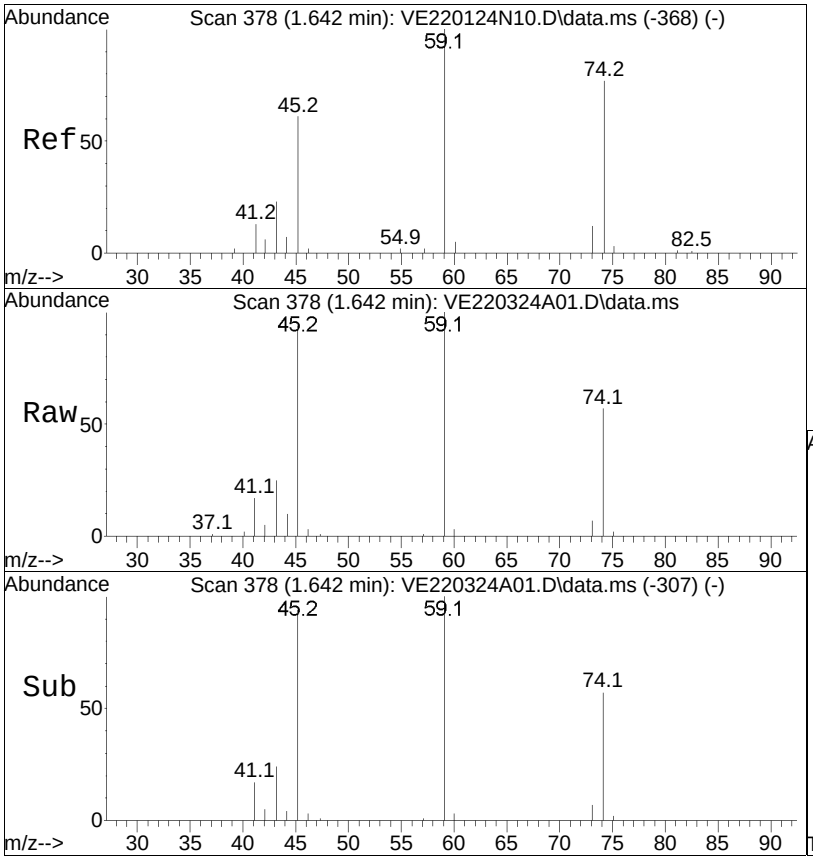


#7
Trichlorofluoromethane
Concen: 10.41 ug/L
RT: 1.422 min Scan# 299
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:101 Resp: 43215

Ion	Ratio	Lower	Upper
101	100		
103	65.5	53.8	80.6

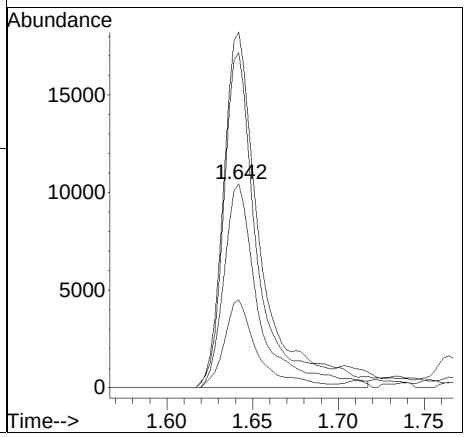


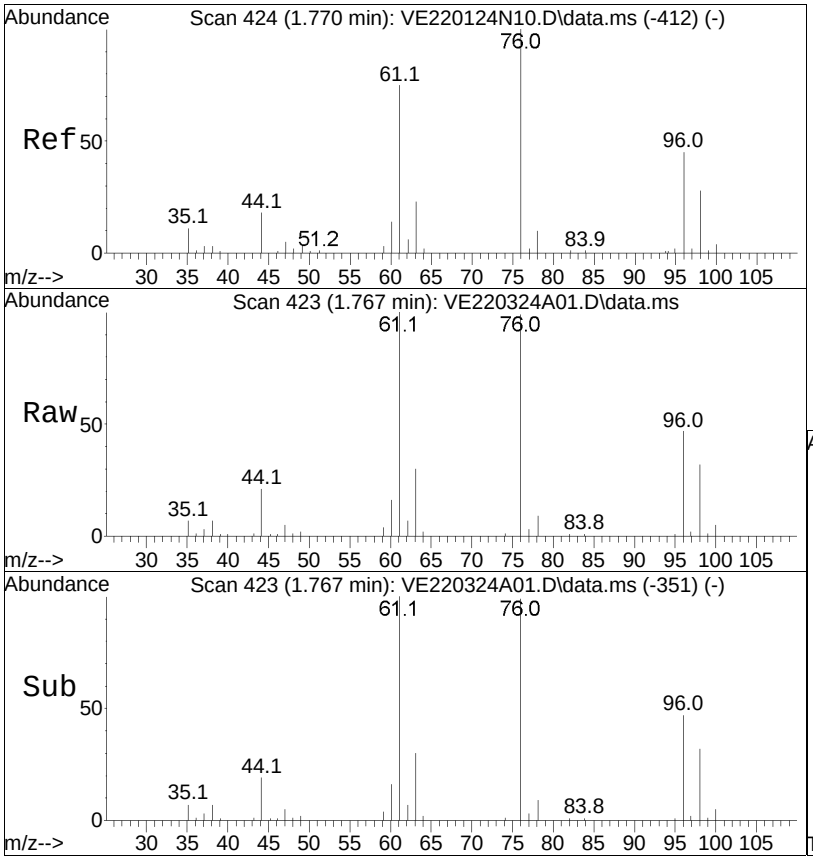


#8
Ethyl ether
Concen: 9.93 ug/L
RT: 1.642 min Scan# 378
Delta R.T. -0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 74 Resp: 15065

Ion	Ratio	Lower	Upper
74	100		
59	175.8	122.2	253.8
45	162.3	91.9	190.9
43	40.4	25.2	52.2

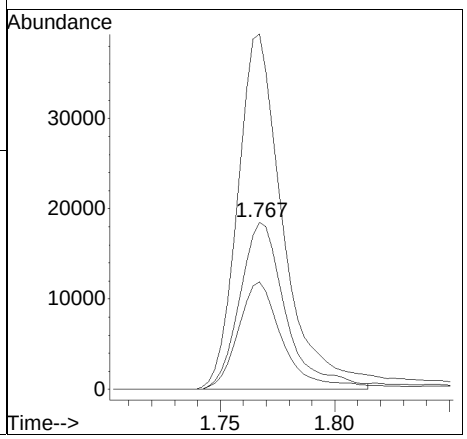


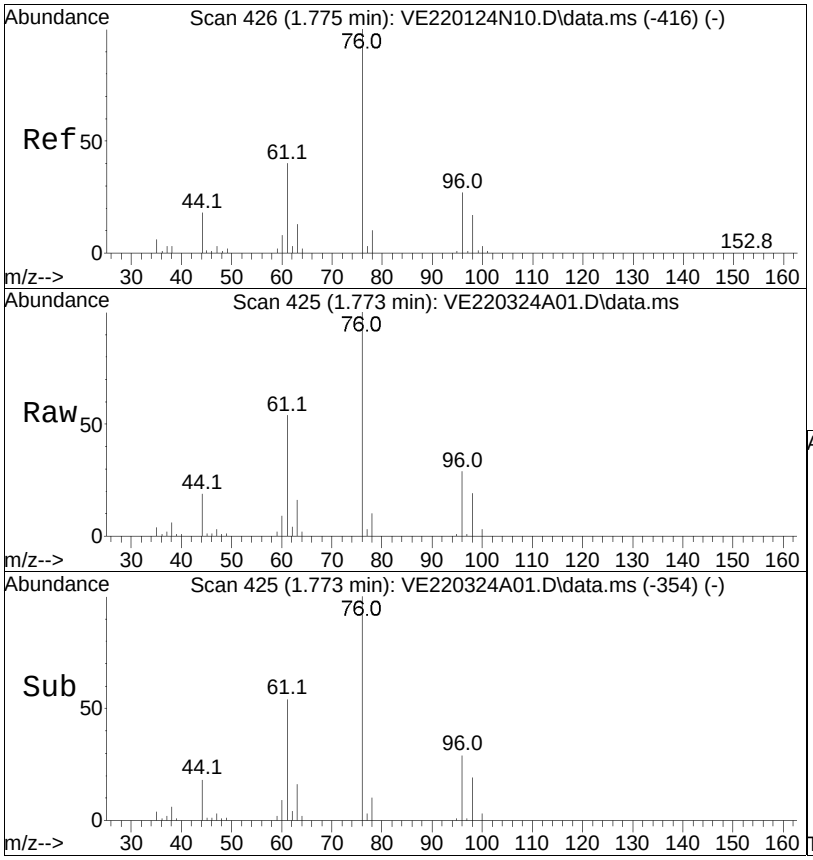


#10
1,1-Dichloroethene
Concen: 9.85 ug/L
RT: 1.767 min Scan# 423
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 96 Resp: 25966

Ion	Ratio	Lower	Upper
96	100		
61	221.9	186.1	279.1
63	64.0	57.6	86.4

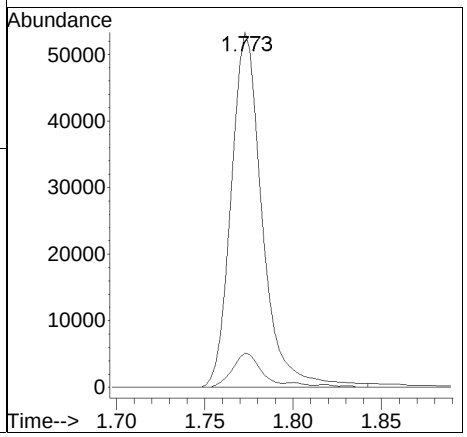


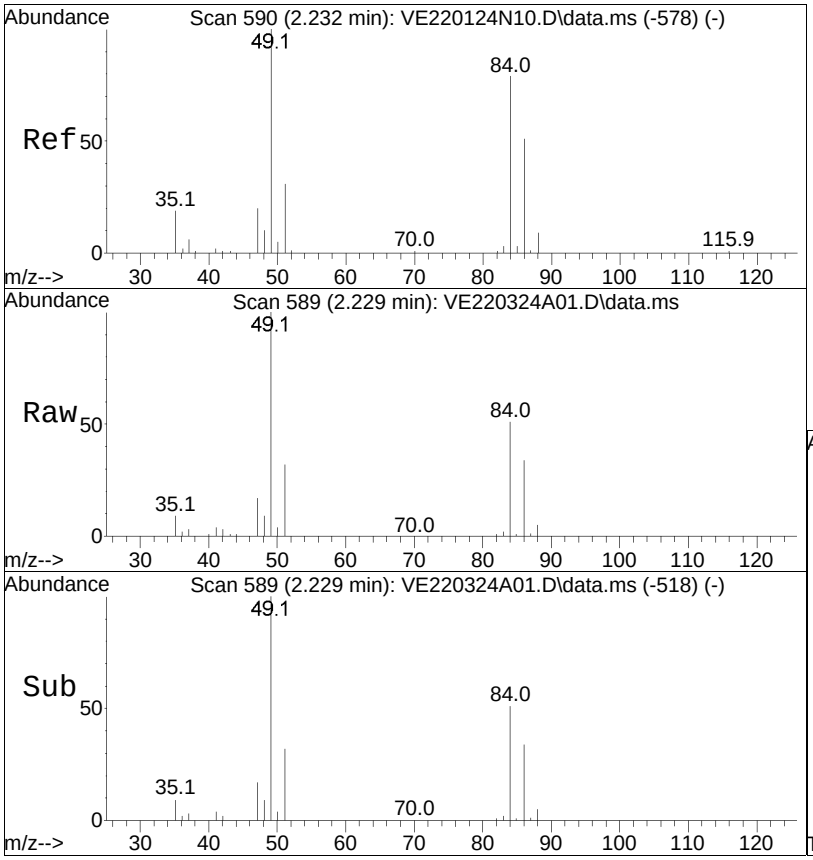


#11
Carbon disulfide
Concen: 10.55 ug/L
RT: 1.773 min Scan# 425
Delta R.T. -0.002 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 76 Resp: 65547

Ion	Ratio	Lower	Upper
76	100		
78	8.9	5.7	11.7

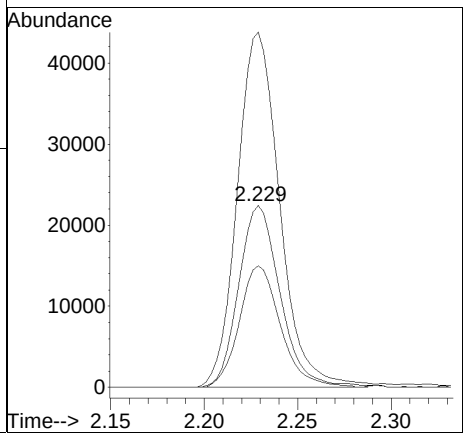


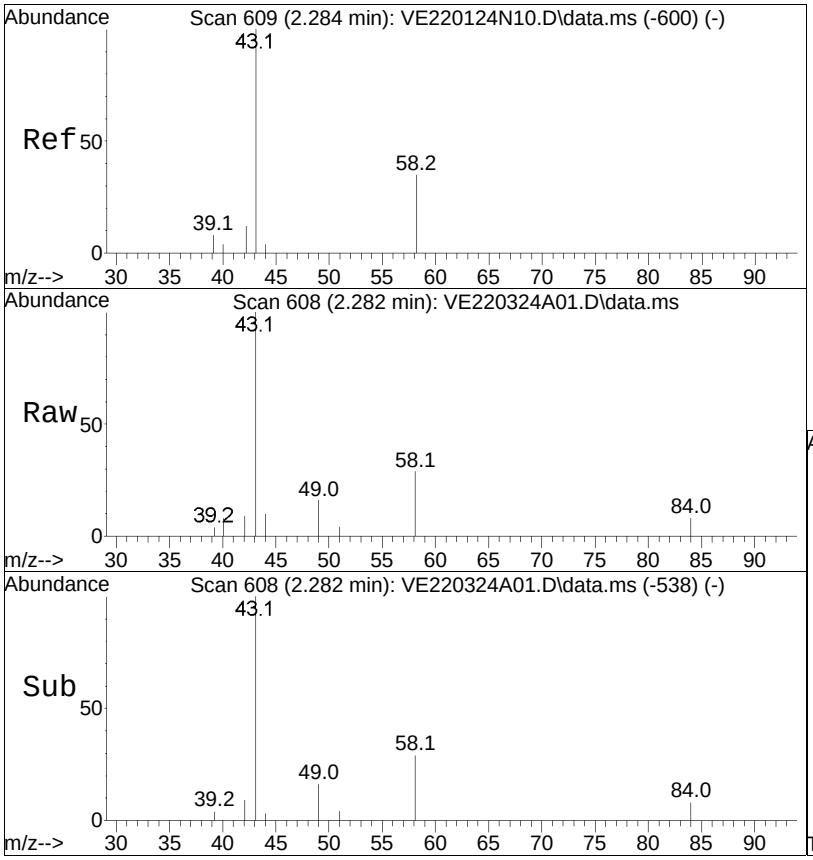


#15
Methylene chloride
Concen: 10.52 ug/L
RT: 2.229 min Scan# 589
Delta R.T. -0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 84 Resp: 34656

Ion	Ratio	Lower	Upper
84	100		
86	66.4	40.4	83.8
49	200.4	120.0	249.2

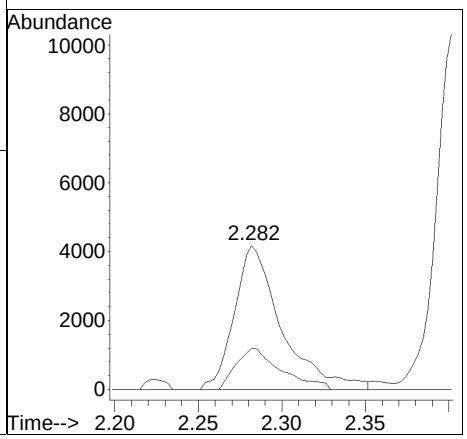


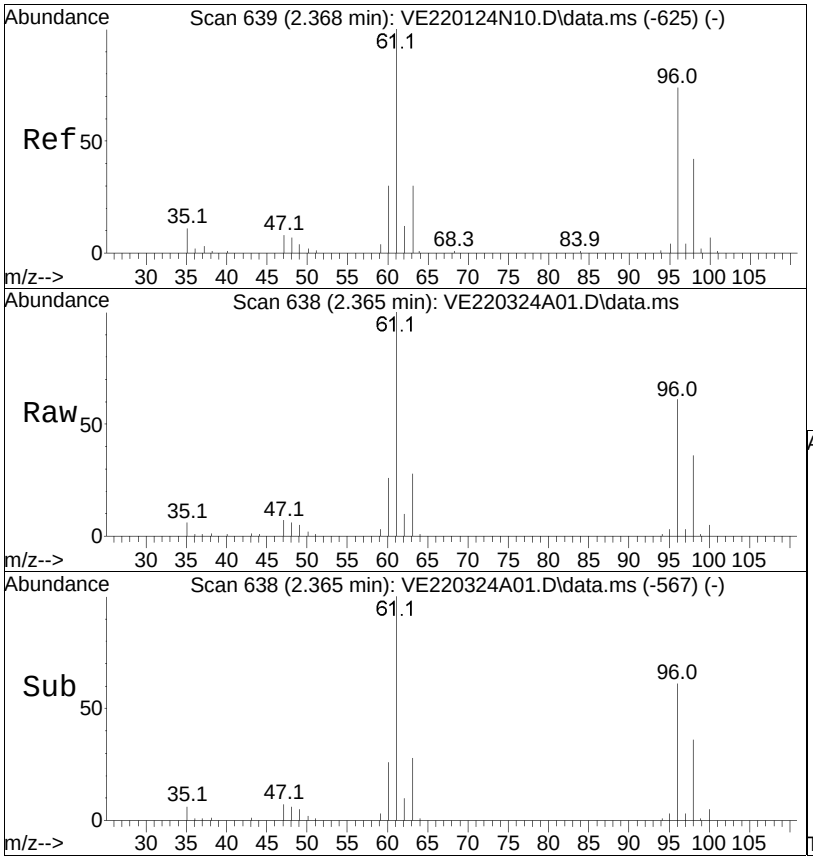


#17
Acetone
Concen: 10.55 ug/L
RT: 2.282 min Scan# 608
Delta R.T. -0.005 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 43 Resp: 8223

Ion	Ratio	Lower	Upper
43	100		
58	27.2	24.2	36.4

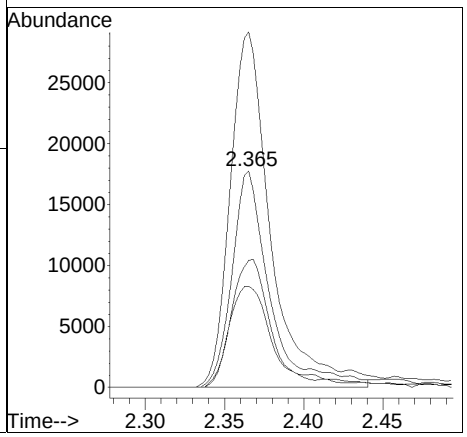


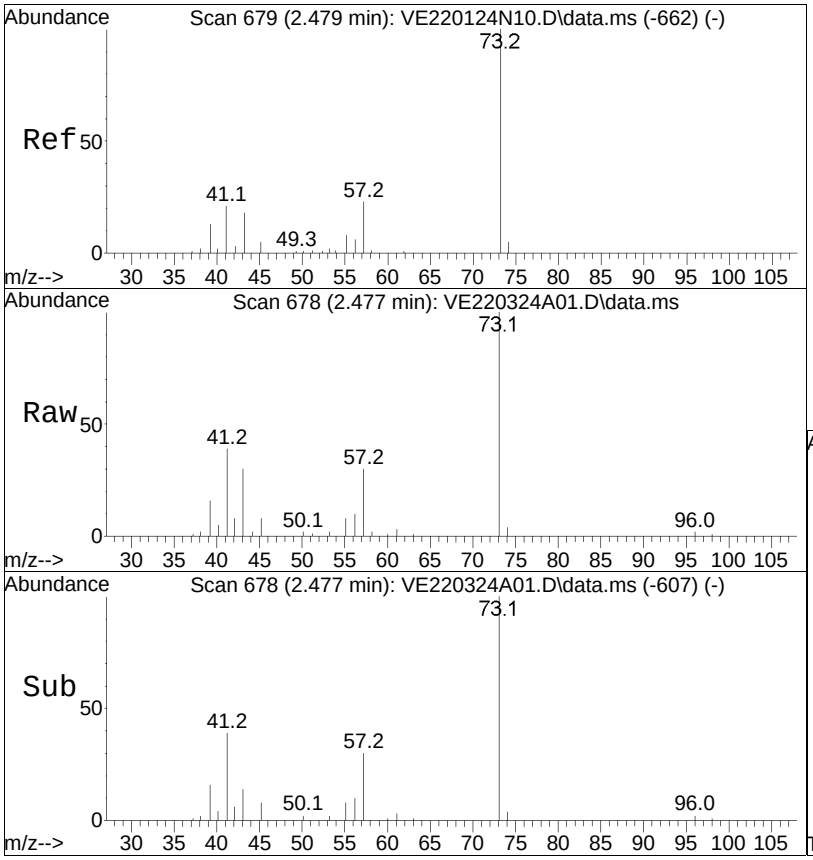


#18
trans-1,2-Dichloroethene
Concen: 10.60 ug/L
RT: 2.365 min Scan# 638
Delta R.T. -0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 96 Resp: 29803

Ion	Ratio	Lower	Upper
96	100		
61	171.1	124.0	257.6
98	65.0	41.2	85.6
63	51.0	38.4	79.7

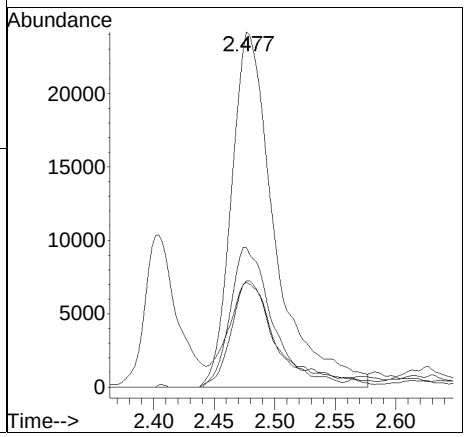


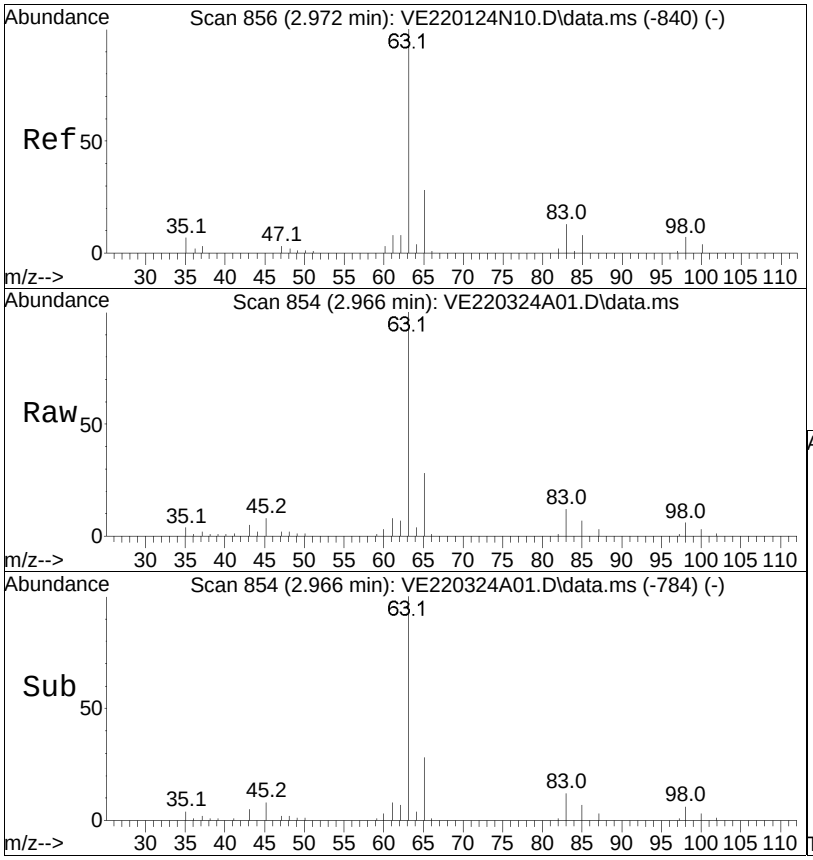


#20
Methyl tert-butyl ether
Concen: 9.05 ug/L
RT: 2.477 min Scan# 678
Delta R.T. -0.002 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 73 Resp: 60488

Ion	Ratio	Lower	Upper
73	100		
57	30.2	17.5	36.3
43	23.5	15.3	31.9
41	37.8	15.3	31.7#

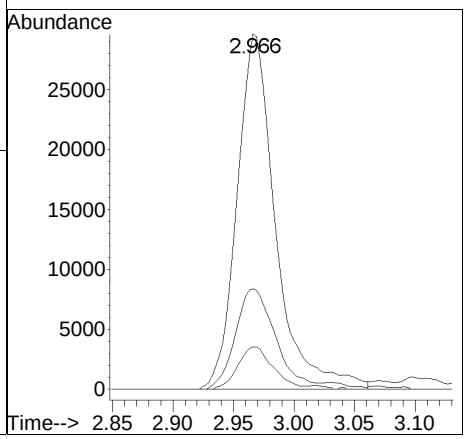


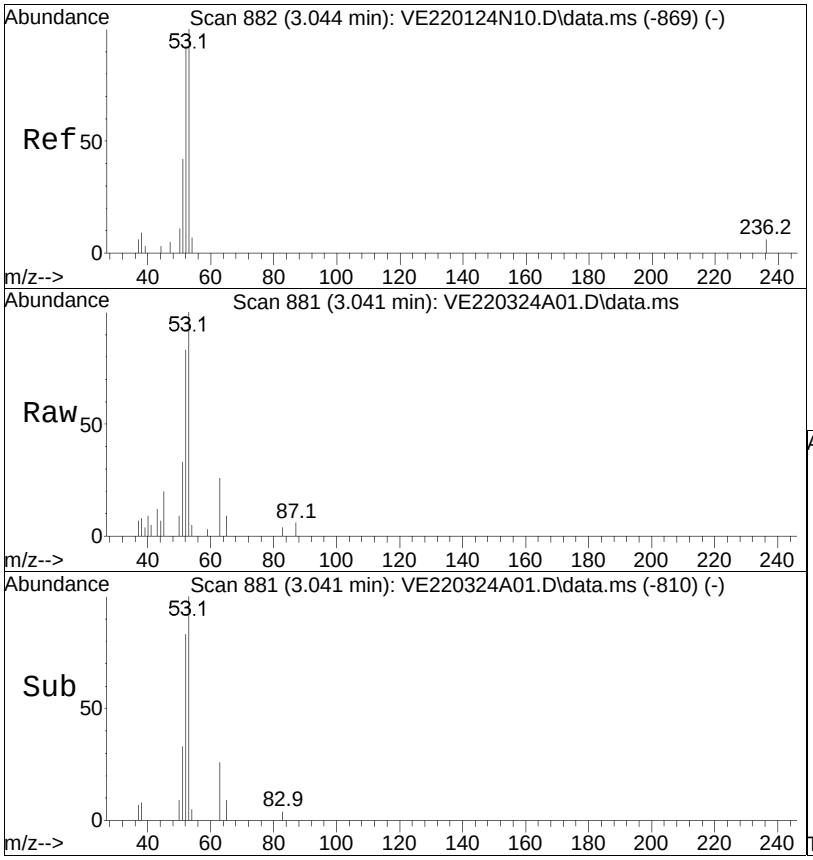


#23
1,1-Dichloroethane
Concen: 10.55 ug/L
RT: 2.966 min Scan# 854
Delta R.T. -0.006 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 63 Resp: 65905

Ion	Ratio	Lower	Upper
63	100		
65	29.4	11.0	51.0
83	11.0	0.0	31.8

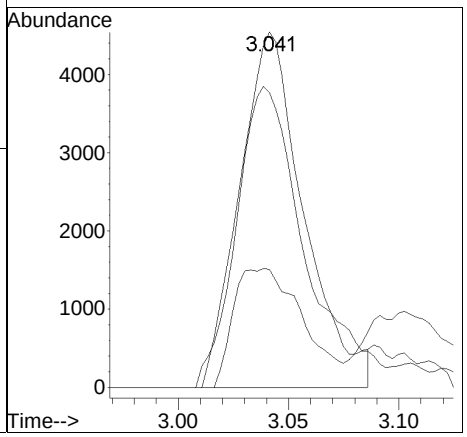


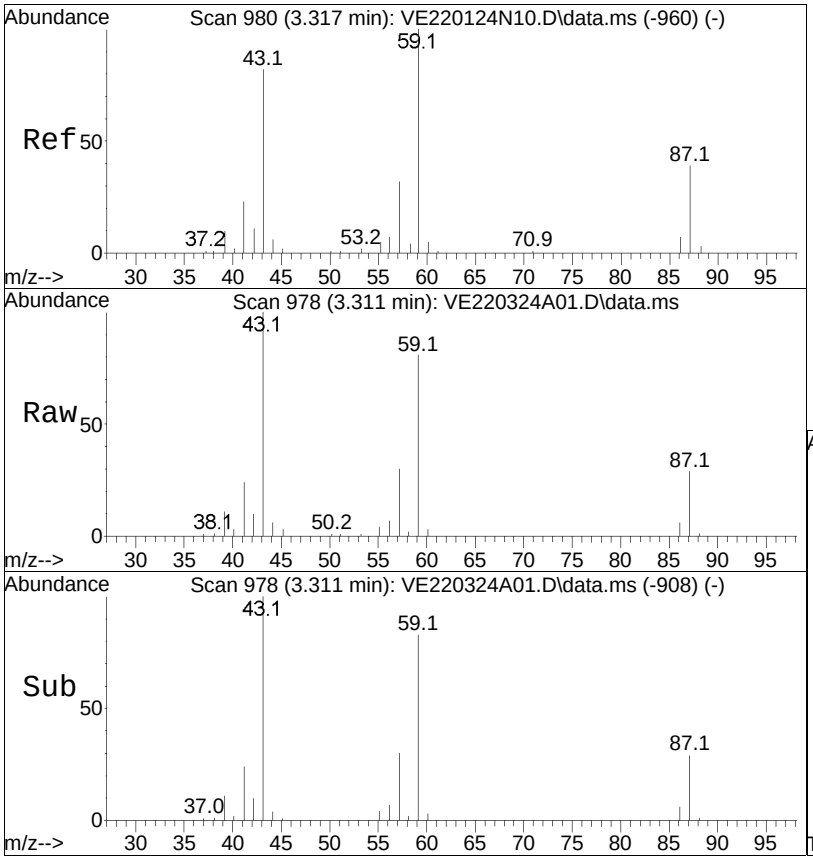


#25
Acrylonitrile
Concen: 9.03 ug/L
RT: 3.041 min Scan# 881
Delta R.T. -0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 53 Resp: 9301

Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.7	100.1
51	35.9	30.6	46.0

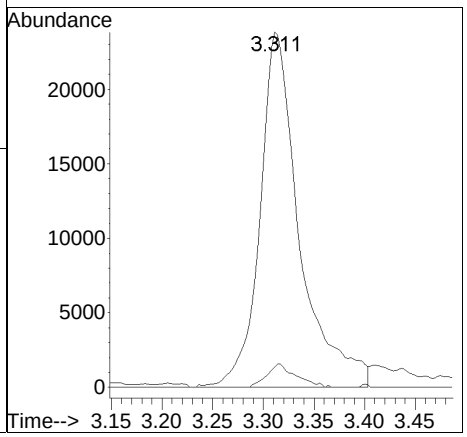


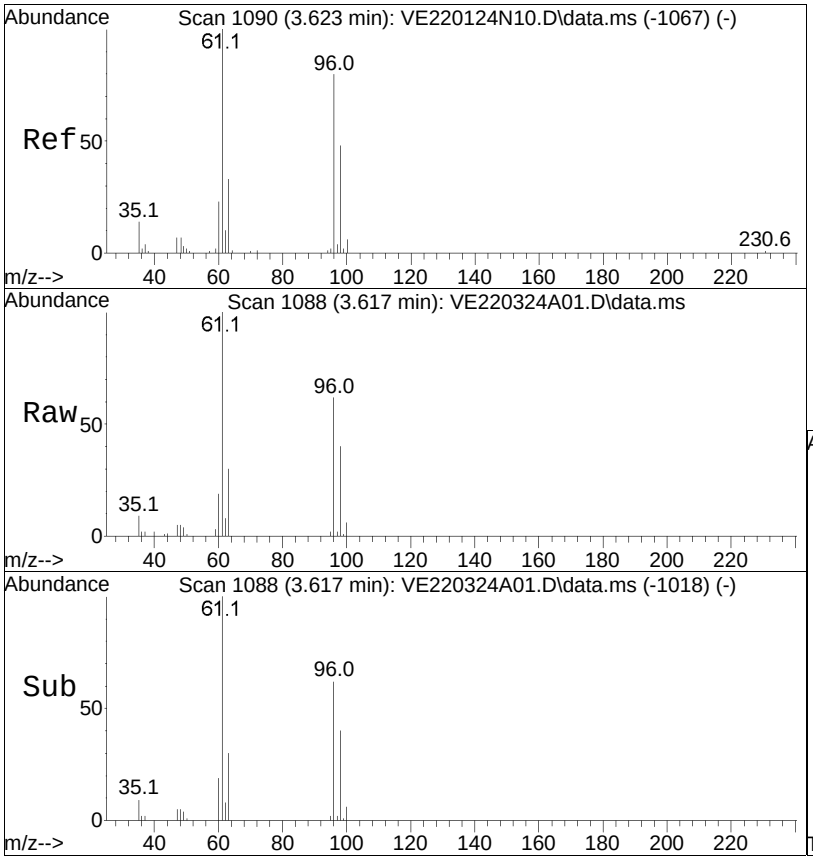


#27
Vinyl acetate
Concen: 8.79 ug/L
RT: 3.311 min Scan# 978
Delta R.T. -0.006 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 43 Resp: 65033

Ion	Ratio	Lower	Upper
43	100		
86	4.9	5.2	7.8#

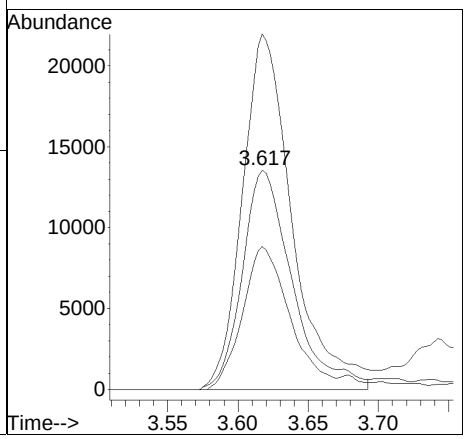


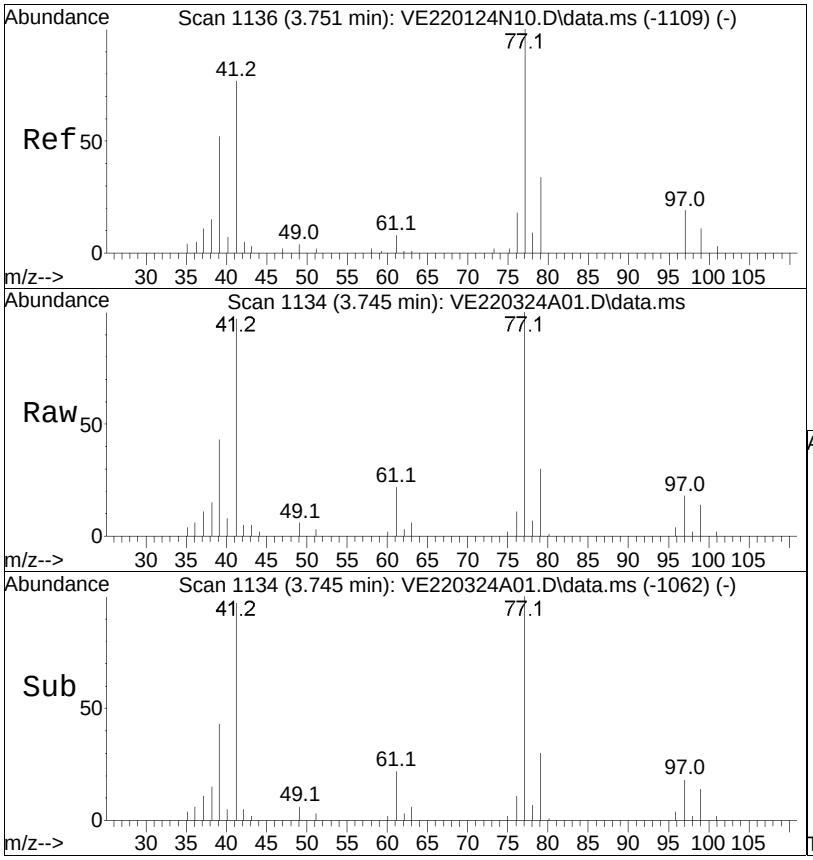


#28
cis-1,2-Dichloroethene
Concen: 10.36 ug/L
RT: 3.617 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 96 Resp: 33603

Ion	Ratio	Lower	Upper
96	100		
61	163.2	149.4	224.2
98	61.9	53.4	80.2

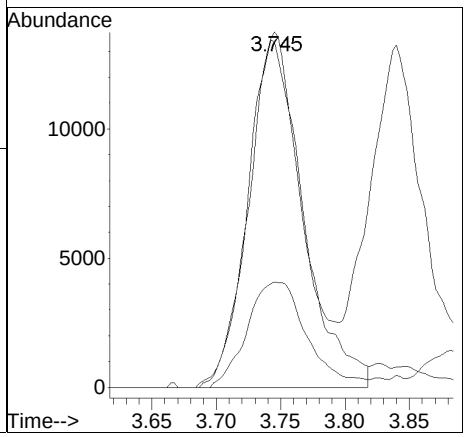


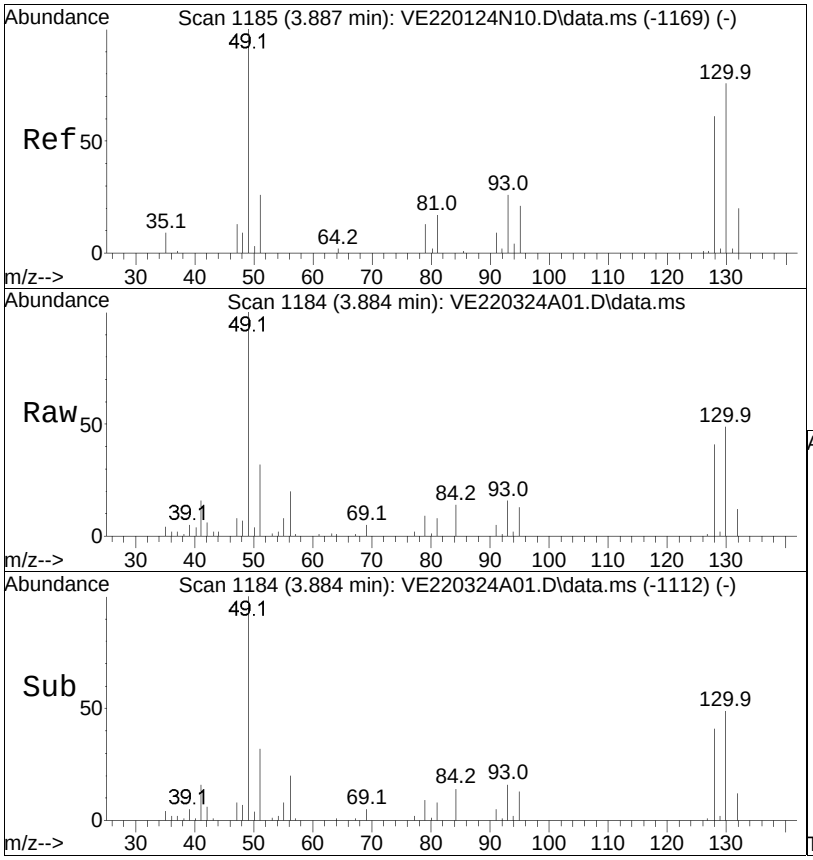


#29
2,2-Dichloropropane
Concen: 10.97 ug/L
RT: 3.745 min Scan# 1134
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 77 Resp: 40021

Ion	Ratio	Lower	Upper
77	100		
41	98.7	38.0	78.8#
79	33.0	20.5	42.5

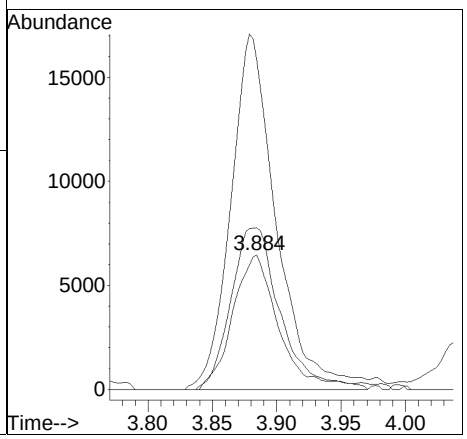


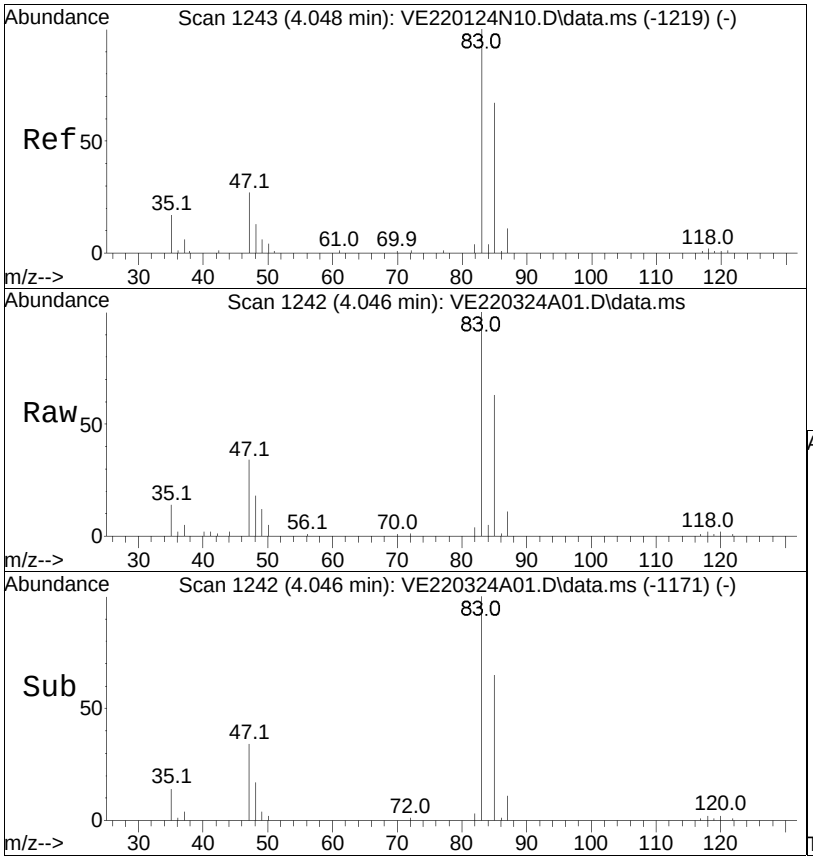


#30
Bromochloromethane
Concen: 10.83 ug/L
RT: 3.884 min Scan# 1184
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:128 Resp: 16111

Ion	Ratio	Lower	Upper
128	100		
49	260.0	223.0	334.4
130	127.6	111.4	167.0

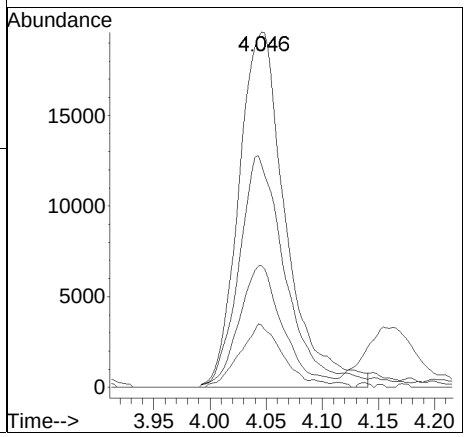


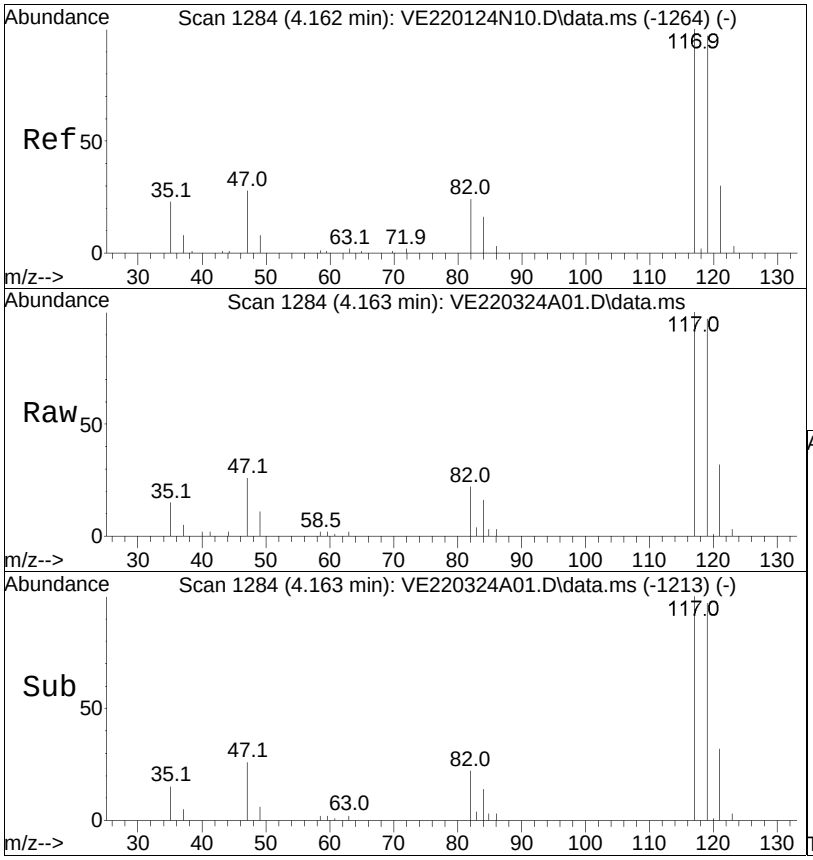


#32
Chloroform
Concen: 10.87 ug/L
RT: 4.046 min Scan# 1242
Delta R.T. -0.002 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 83 Resp: 57433

Ion	Ratio	Lower	Upper
83	100		
85	63.3	41.5	86.1
47	32.4	19.0	39.4
48	16.4	9.9	20.5

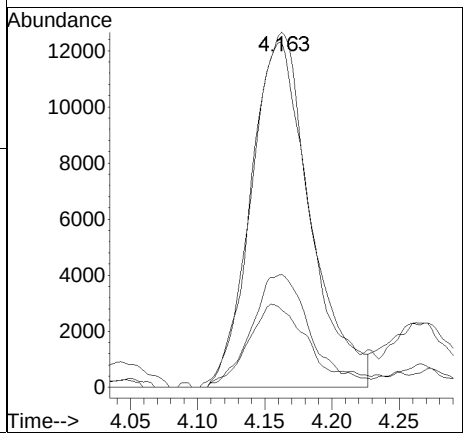


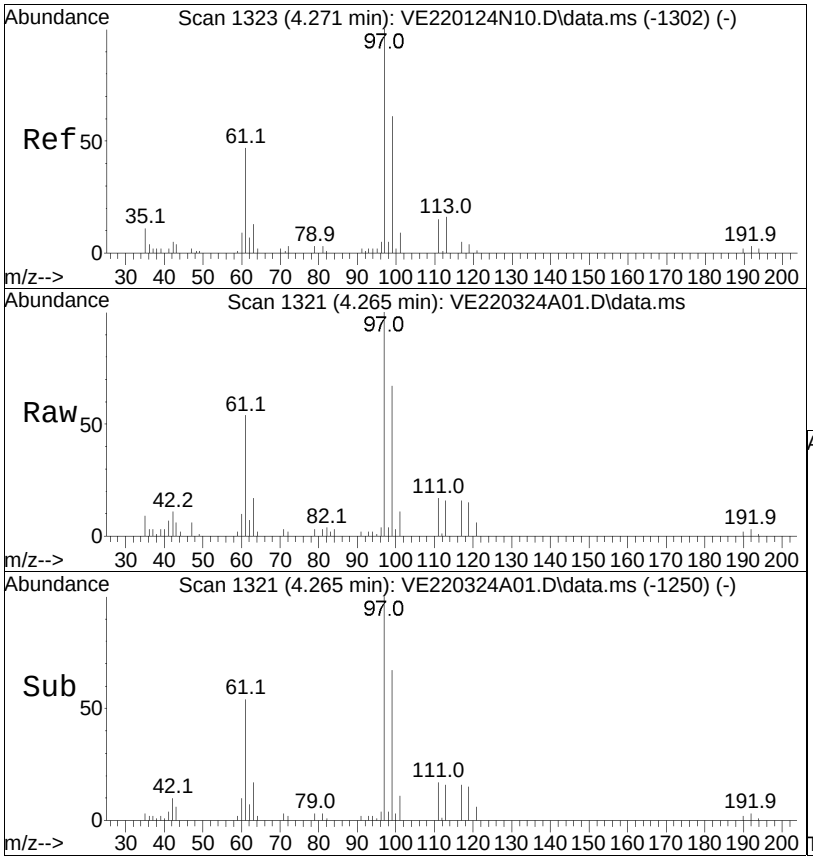


#34
Carbon tetrachloride
Concen: 10.22 ug/L
RT: 4.163 min Scan# 1284
Delta R.T. -0.002 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:117 Resp: 38775

Ion	Ratio	Lower	Upper
117	100		
119	95.9	62.4	129.6
121	30.4	19.5	40.5
82	22.7	17.0	35.4

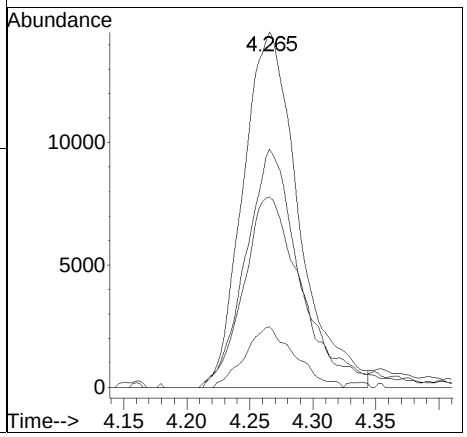


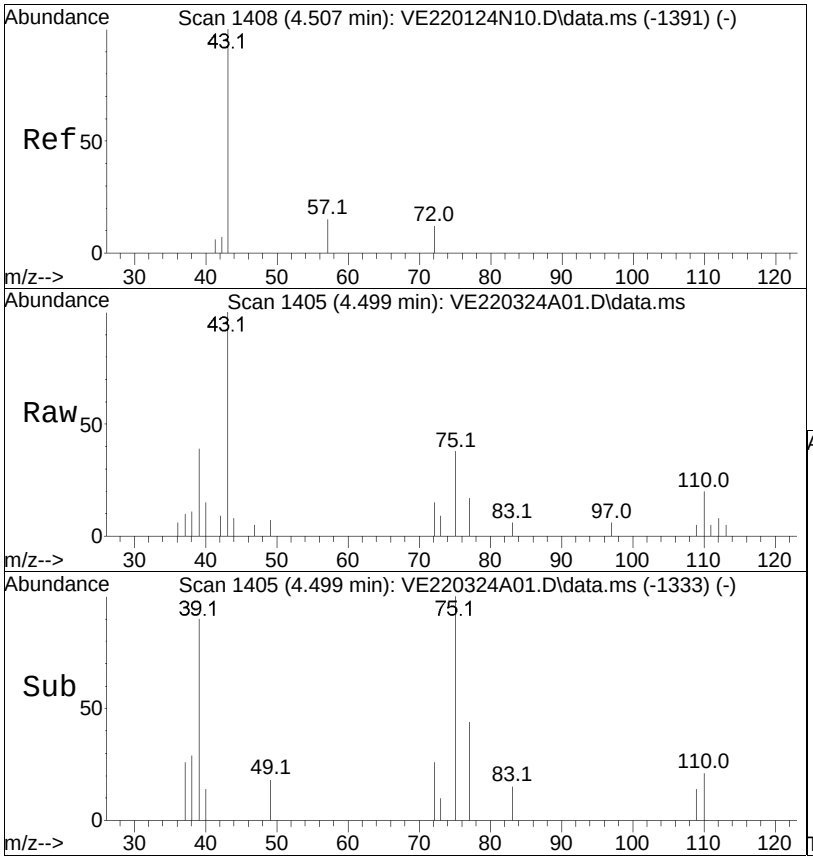


#37
1,1,1-Trichloroethane
Concen: 10.33 ug/L
RT: 4.265 min Scan# 1321
Delta R.T. -0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 97 Resp: 44562

Ion	Ratio	Lower	Upper
97	100		
99	65.3	40.7	84.5
61	56.7	35.4	73.4
63	15.3	5.0	10.4#

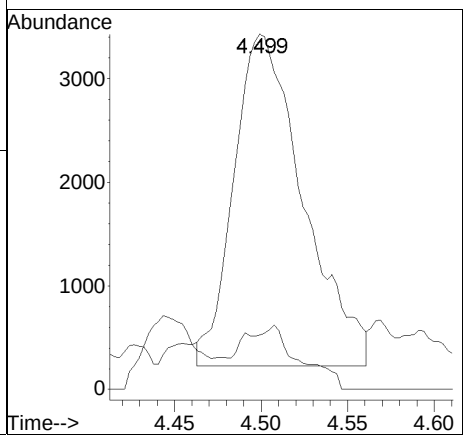


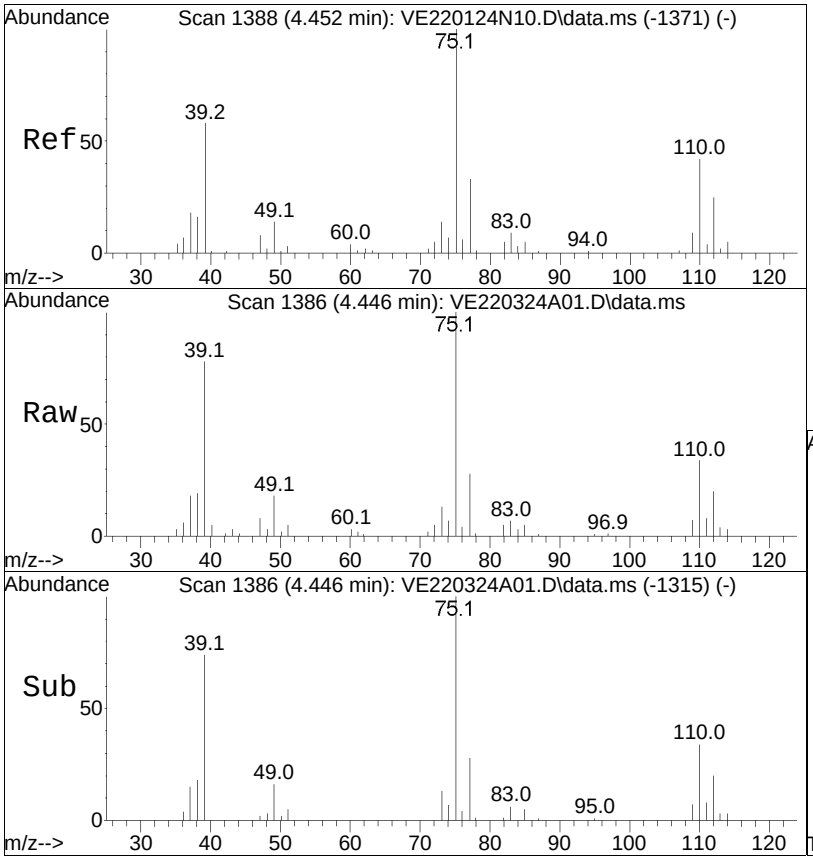


#39
2-Butanone
Concen: 7.96 ug/L M4
RT: 4.499 min Scan# 1405
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 43 Resp: 8931

Ion	Ratio	Lower	Upper
43	100		
72	1.7	10.9	16.3#

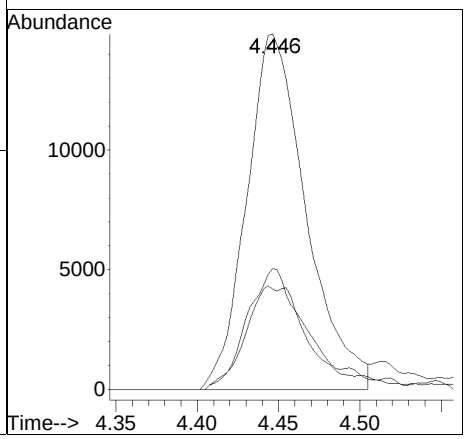


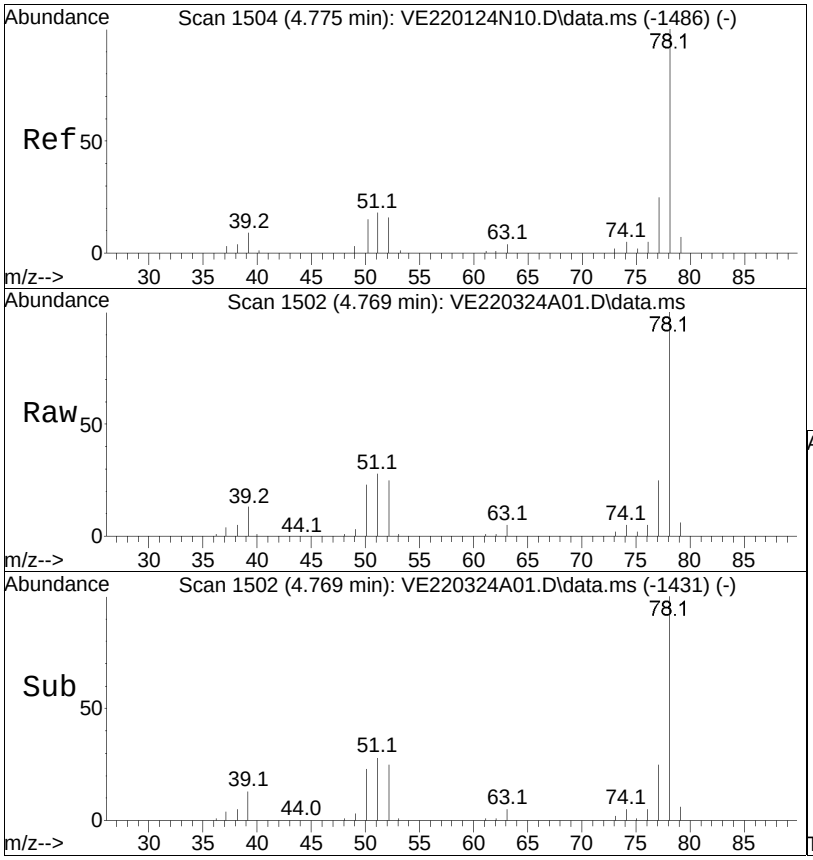


#40
1,1-Dichloropropene
Concen: 9.77 ug/L
RT: 4.446 min Scan# 1386
Delta R.T. -0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 75 Resp: 37681

Ion	Ratio	Lower	Upper
75	100		
110	32.3	20.2	41.9
77	30.0	20.1	41.7

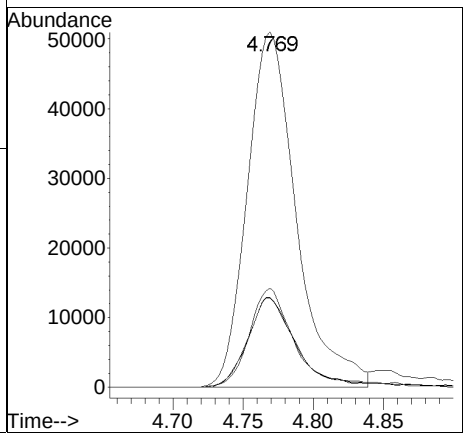


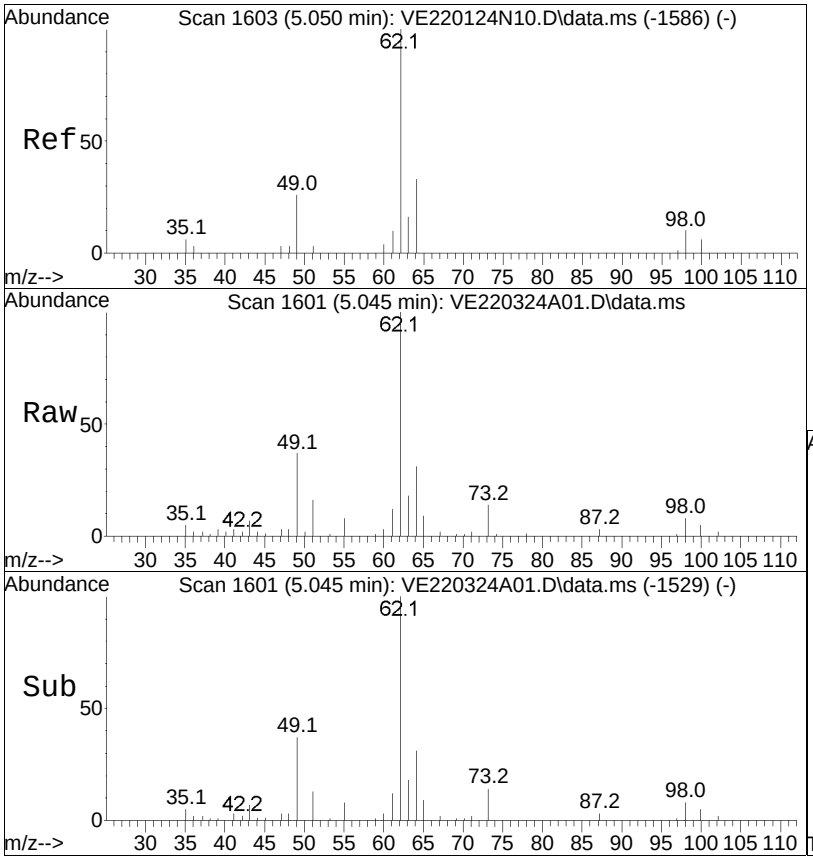


#41
Benzene
Concen: 10.06 ug/L
RT: 4.769 min Scan# 1502
Delta R.T. -0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 78 Resp: 124292

Ion	Ratio	Lower	Upper
78	100		
77	24.1	15.7	32.7
51	25.6	16.0	33.2
52	24.8	15.3	31.9

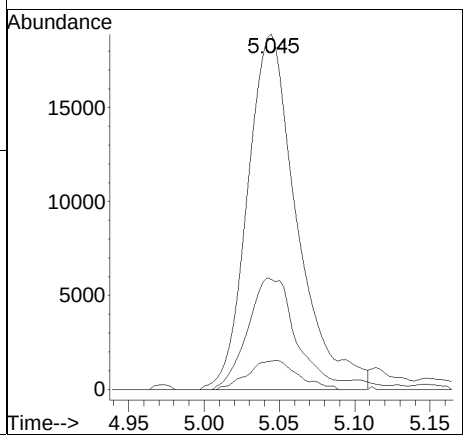


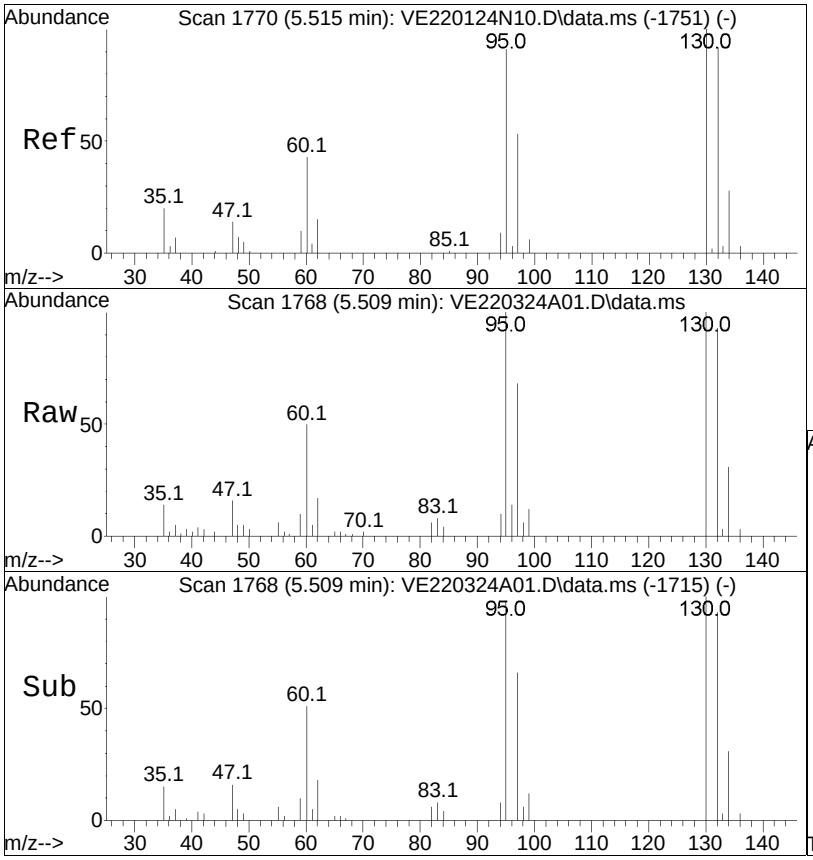


#44
1,2-Dichloroethane
Concen: 10.15 ug/L
RT: 5.045 min Scan# 1601
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 62 Resp: 43157

Ion	Ratio	Lower	Upper
62	100		
64	30.8	11.2	51.2
98	8.3	0.0	26.1

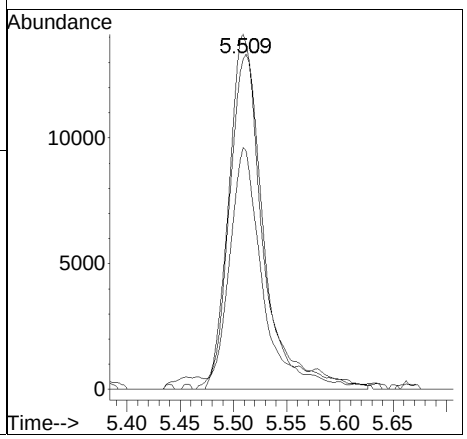


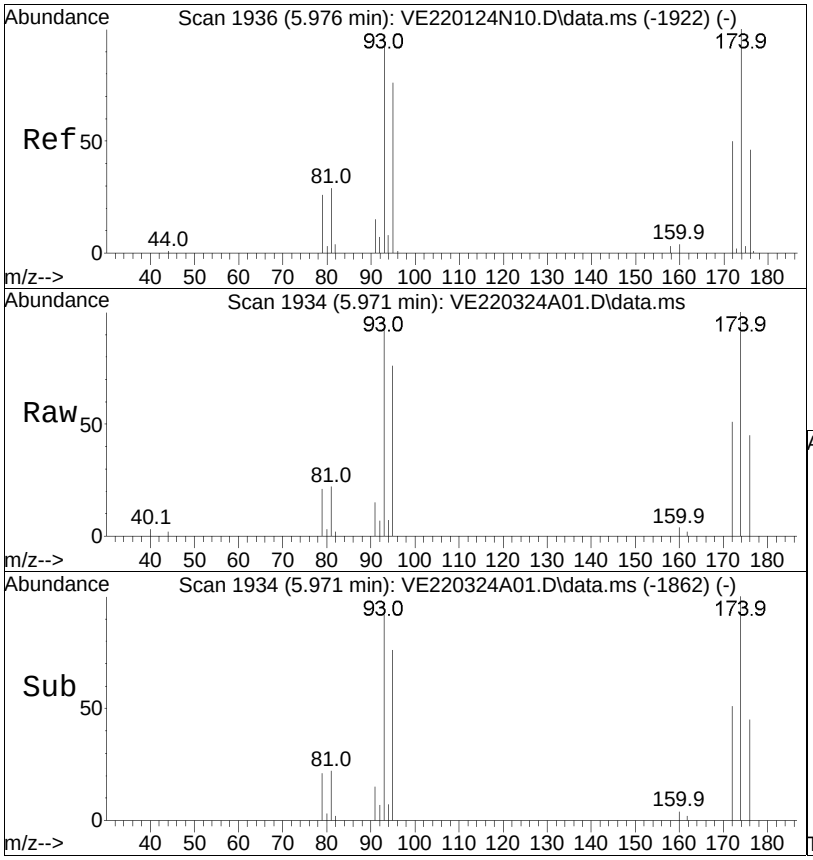


#48
Trichloroethene
Concen: 10.74 ug/L
RT: 5.509 min Scan# 1768
Delta R.T. -0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 95 Resp: 32310

Ion	Ratio	Lower	Upper
95	100		
97	60.0	55.5	83.3
132	87.9	76.6	115.0

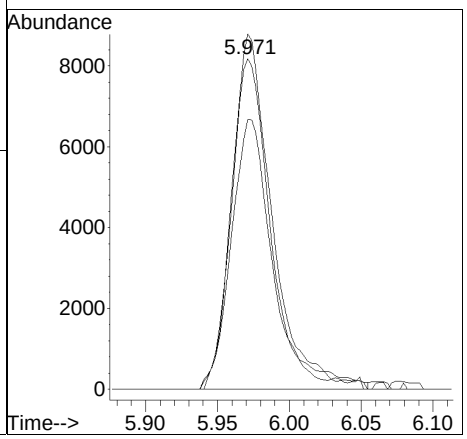


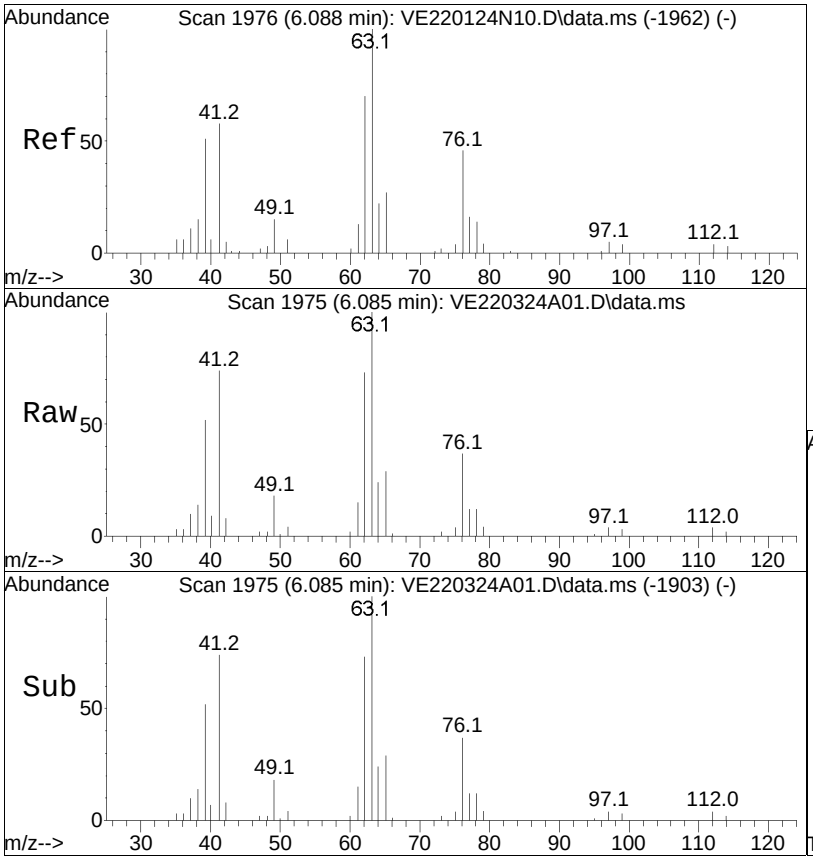


#50
Dibromomethane
Concen: 9.98 ug/L
RT: 5.971 min Scan# 1934
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 93 Resp: 16060

Ion	Ratio	Lower	Upper
93	100		
95	81.3	67.0	100.4
174	105.4	75.0	112.4

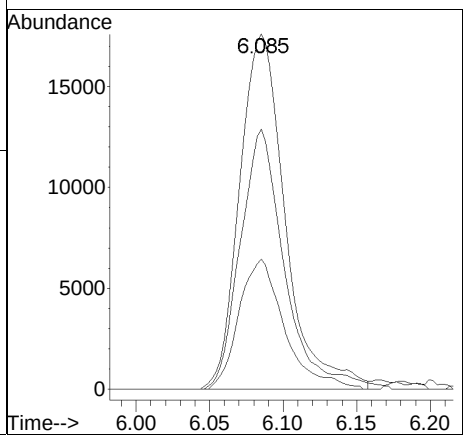


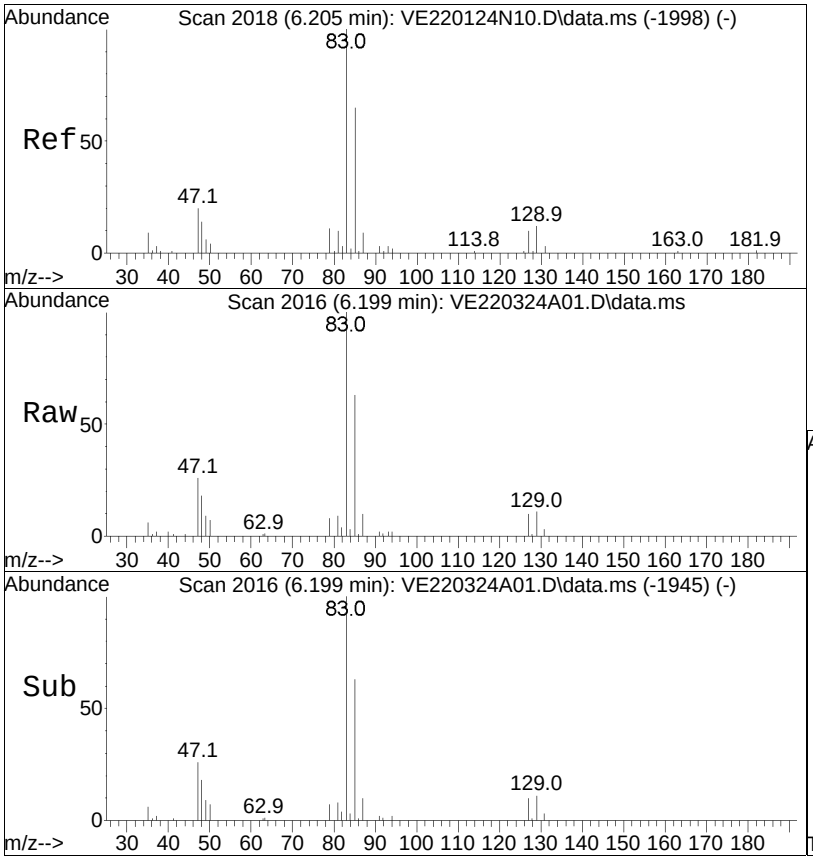


#51
1,2-Dichloropropane
Concen: 10.86 ug/L
RT: 6.085 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 63 Resp: 38030

Ion	Ratio	Lower	Upper
63	100		
62	71.0	58.6	87.8
76	36.8	38.0	57.0#

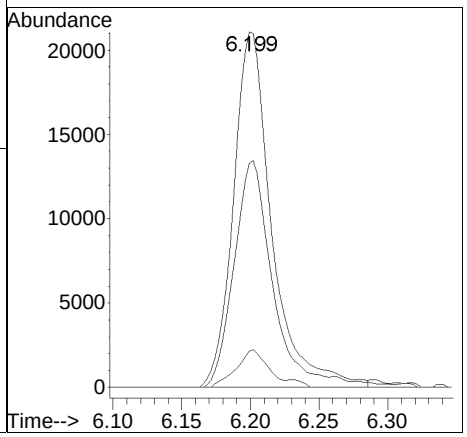


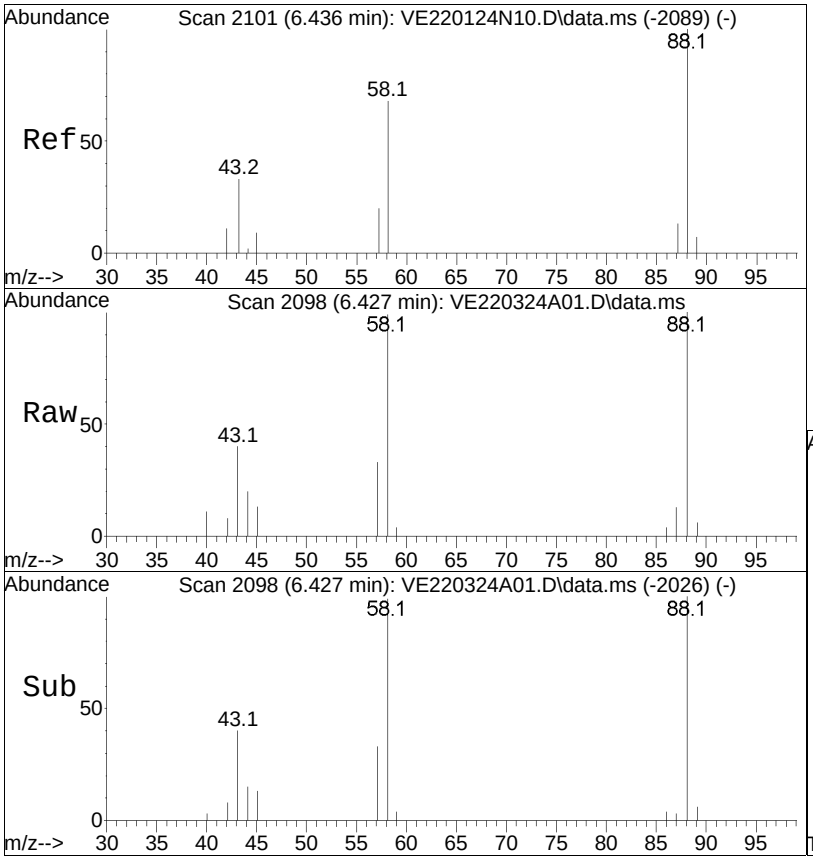


#54
Bromodichloromethane
Concen: 10.42 ug/L
RT: 6.199 min Scan# 2016
Delta R.T. -0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 83 Resp: 41026

Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.3	78.5
127	8.8	6.2	9.4

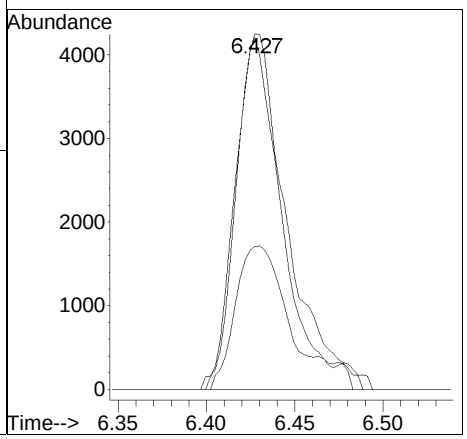


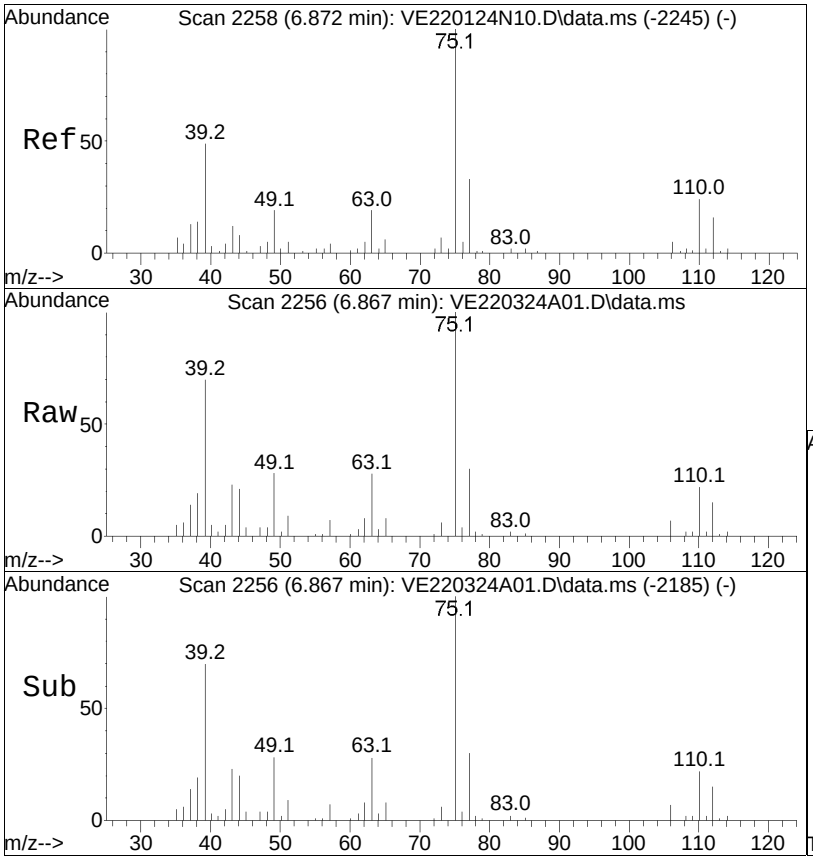


#57
1,4-Dioxane
Concen: 497.73 ug/L
RT: 6.427 min Scan# 2098
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 88 Resp: 8456

Ion	Ratio	Lower	Upper
88	100		
58	89.8	76.7	115.1
43	44.4	36.2	54.2

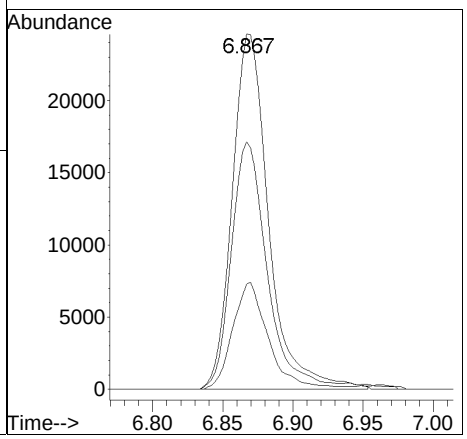


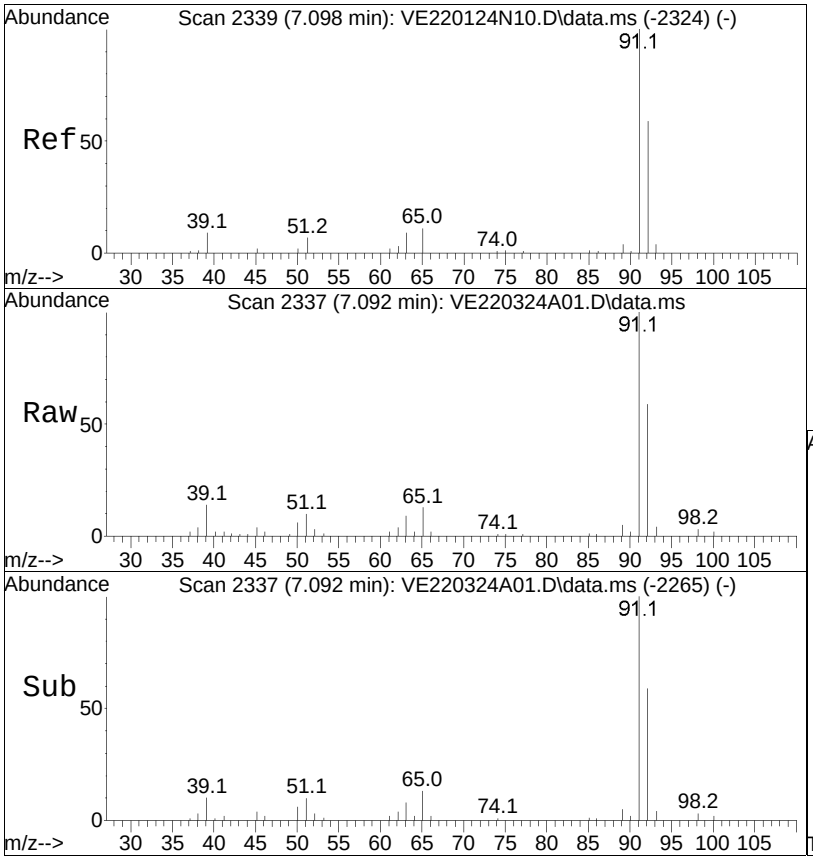


#58
cis-1,3-Dichloropropene
Concen: 9.89 ug/L
RT: 6.867 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 75 Resp: 44550

Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.0	37.4
39	68.5	50.1	75.1

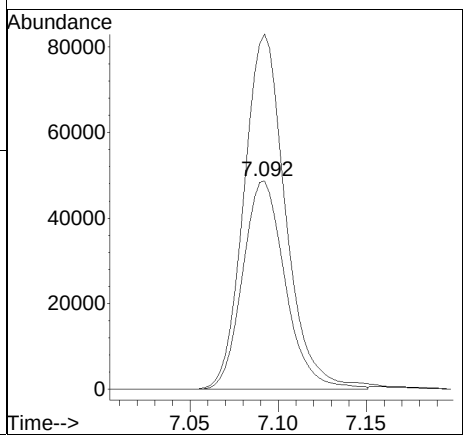


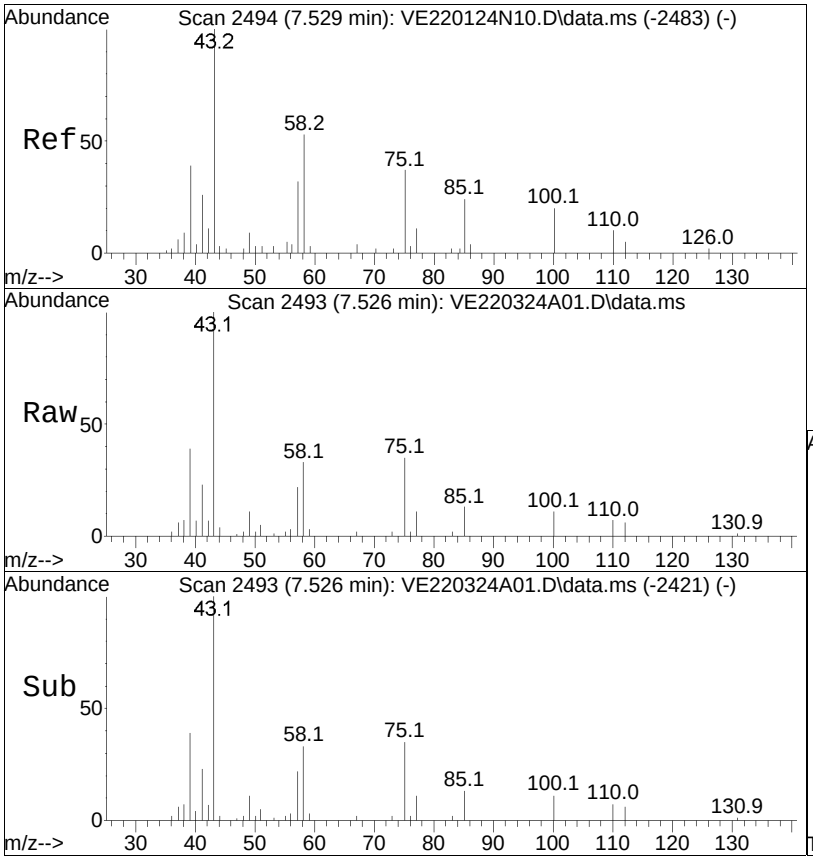


#61
Toluene
Concen: 10.50 ug/L
RT: 7.092 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 92 Resp: 81736

Ion	Ratio	Lower	Upper
92	100		
91	168.8	139.8	209.6

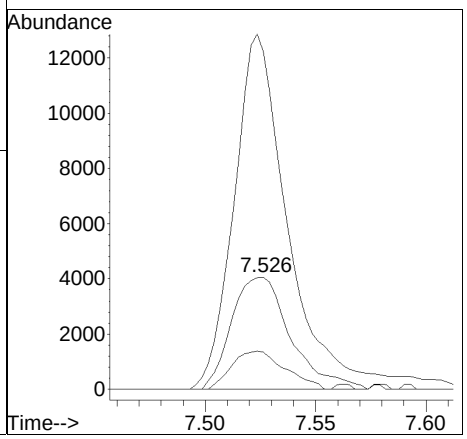


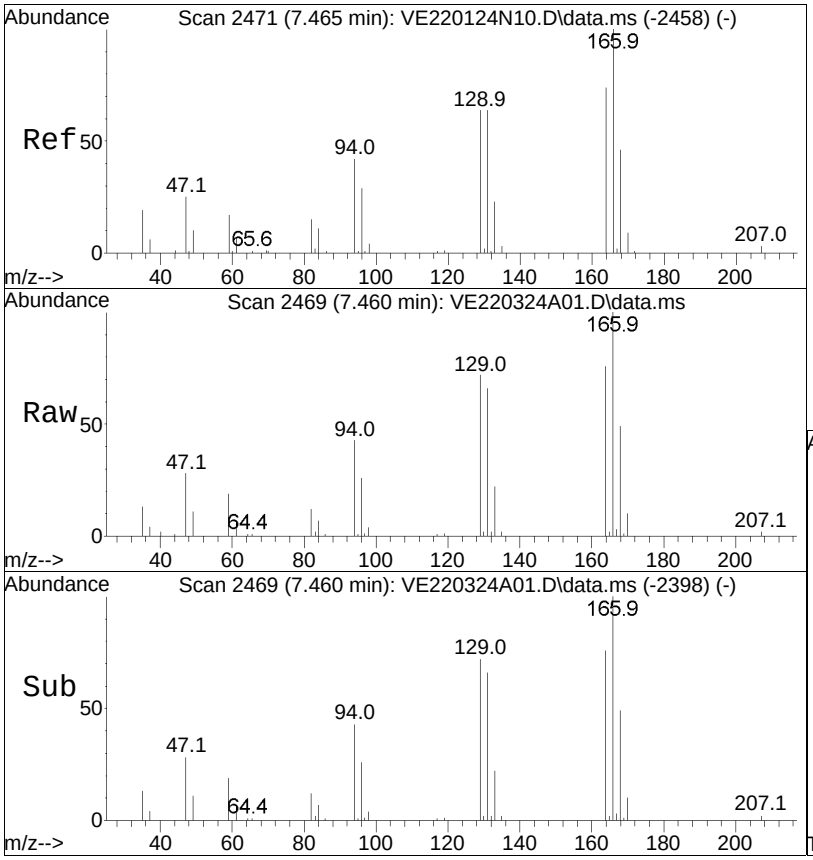


#62
4-Methyl-2-pentanone
Concen: 8.01 ug/L
RT: 7.526 min Scan# 2493
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 58 Resp: 7569

Ion	Ratio	Lower	Upper
58	100		
100	31.2	20.2	30.2#
43	295.3	196.6	295.0#

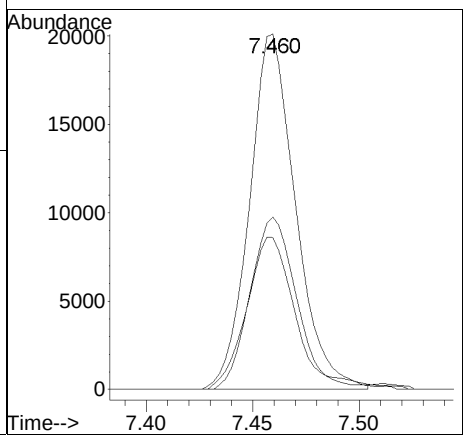


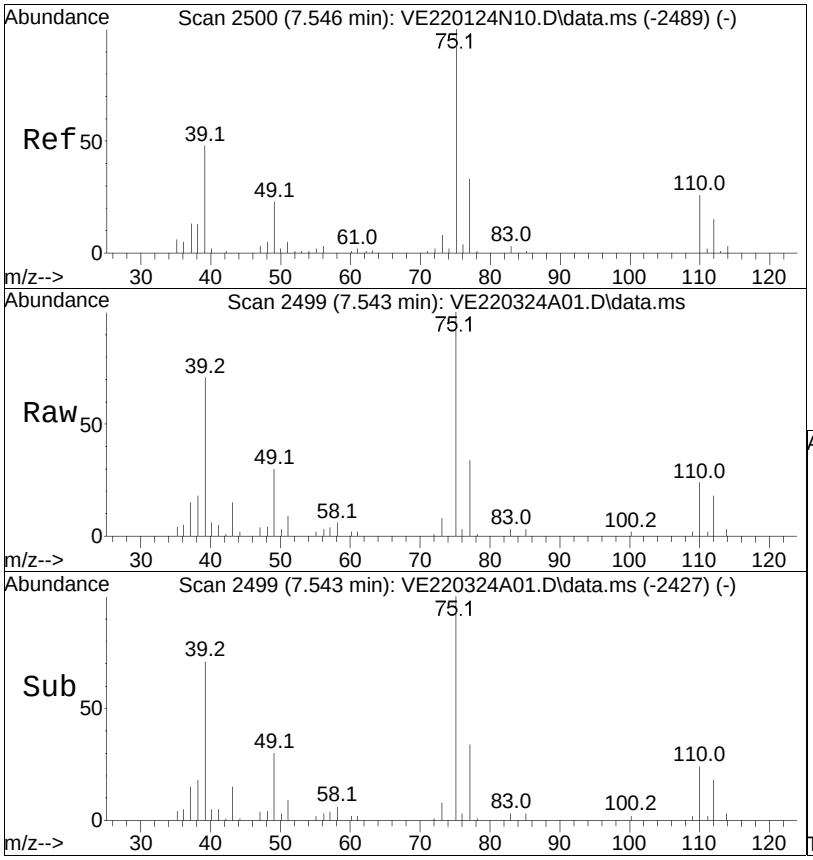


#63
Tetrachloroethene
Concen: 10.37 ug/L
RT: 7.460 min Scan# 2469
Delta R.T. -0.002 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:166 Resp: 30295

Ion	Ratio	Lower	Upper
166	100		
168	50.4	28.2	68.2
94	44.9	38.4	78.4

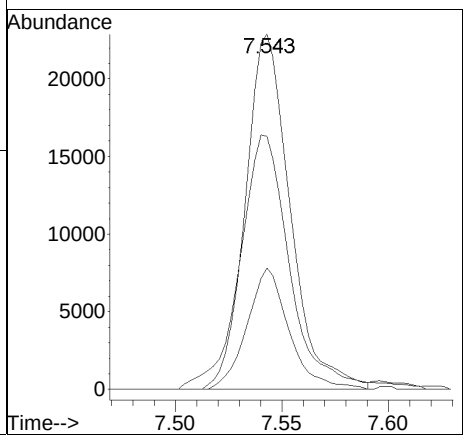


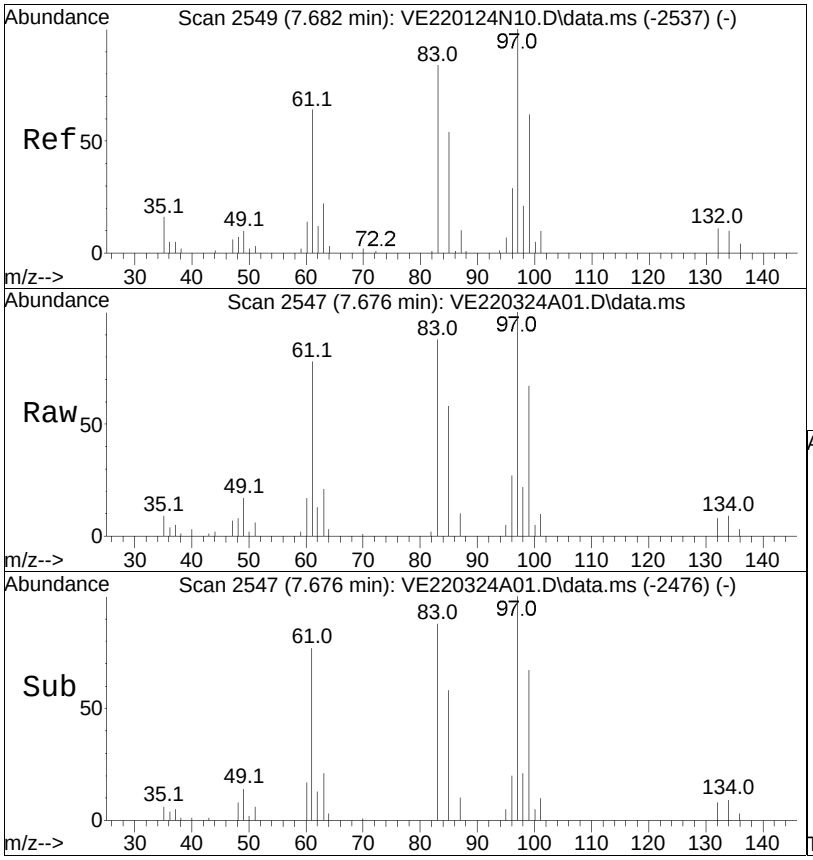


#65
trans-1,3-Dichloropropene
Concen: 9.16 ug/L
RT: 7.543 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 75 Resp: 33501

Ion	Ratio	Lower	Upper
75	100		
77	32.1	12.4	52.4
39	80.5	42.8	82.8

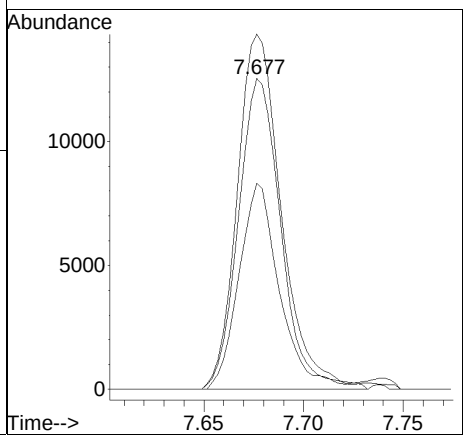


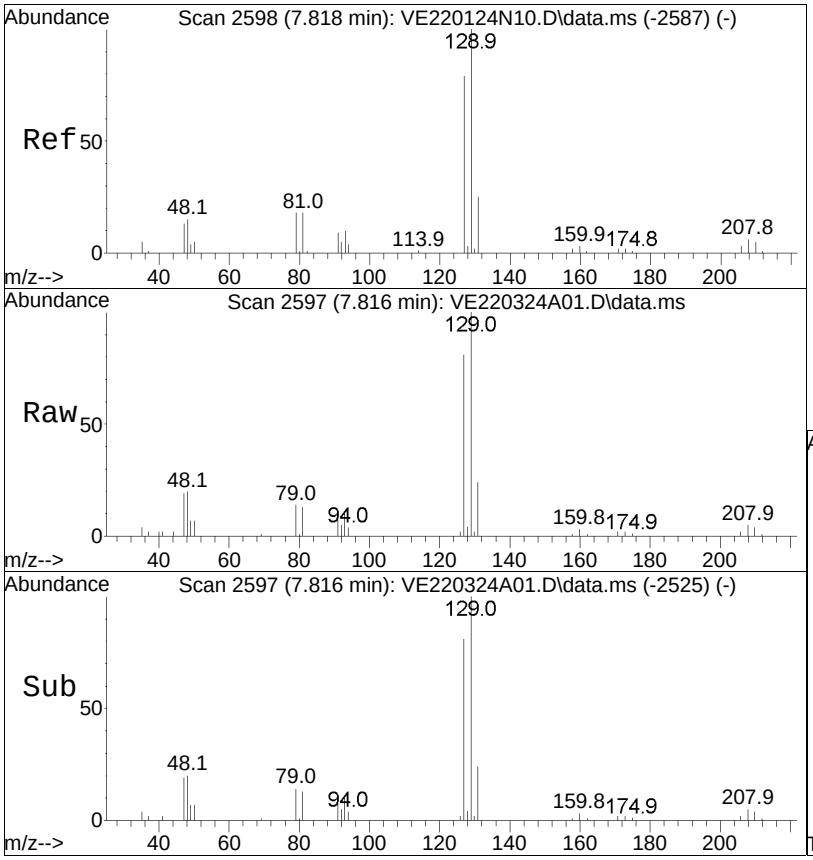


#68
1,1,2-Trichloroethane
Concen: 9.49 ug/L
RT: 7.676 min Scan# 2547
Delta R.T. -0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 83 Resp: 18639

Ion	Ratio	Lower	Upper
83	100		
97	118.0	89.8	129.8
85	63.3	44.4	84.4

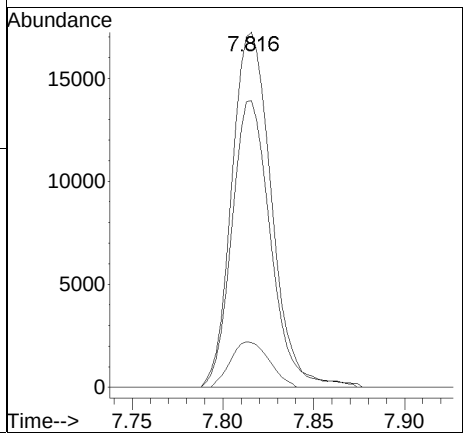


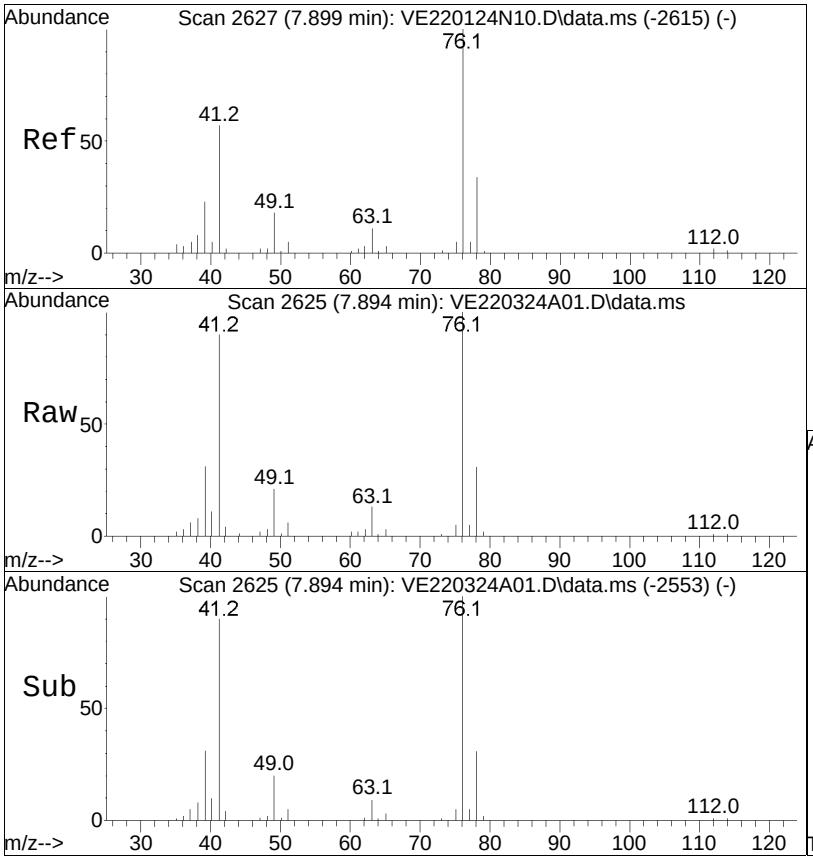


#69
Chlorodibromomethane
Concen: 9.64 ug/L
RT: 7.816 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:129 Resp: 26219

Ion	Ratio	Lower	Upper
129	100		
81	12.6	2.9	42.9
127	79.1	57.8	97.8

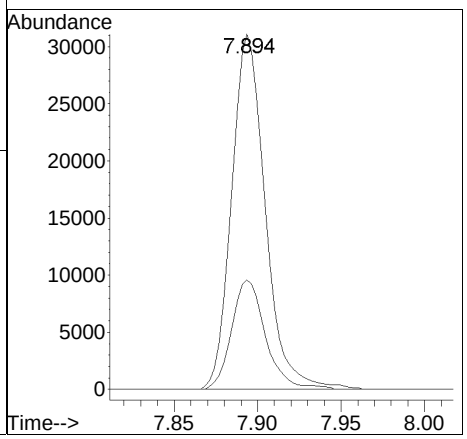


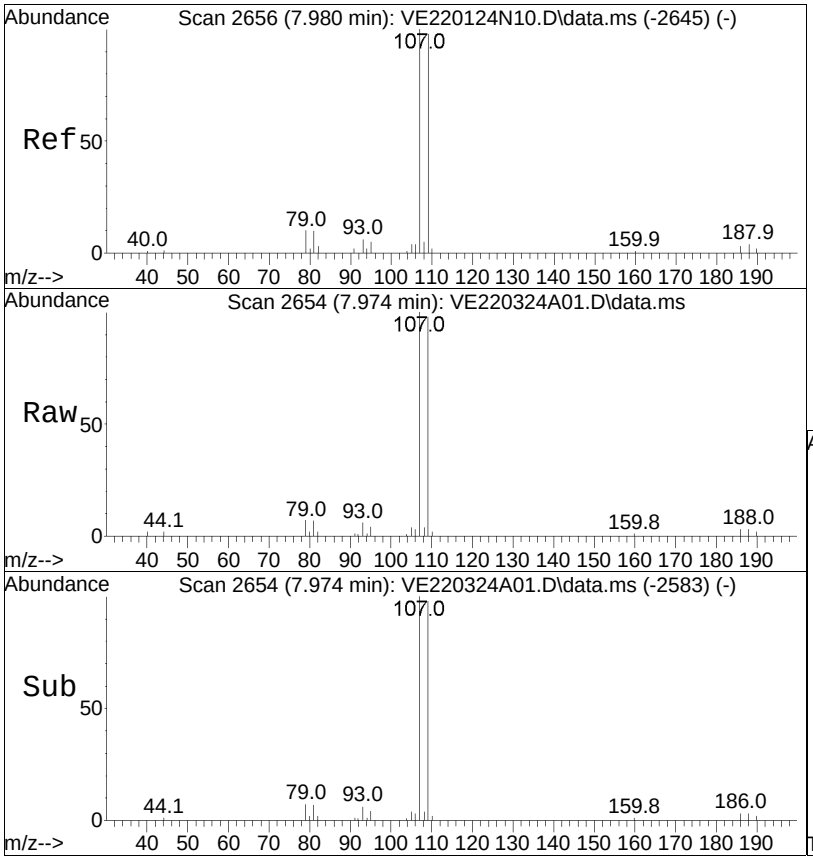


#70
1,3-Dichloropropane
Concen: 10.02 ug/L
RT: 7.894 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 76 Resp: 43591

Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.5	38.3

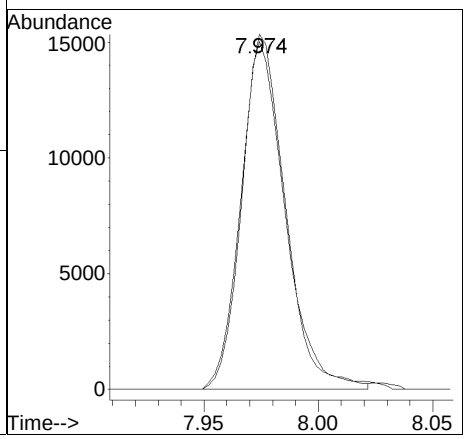


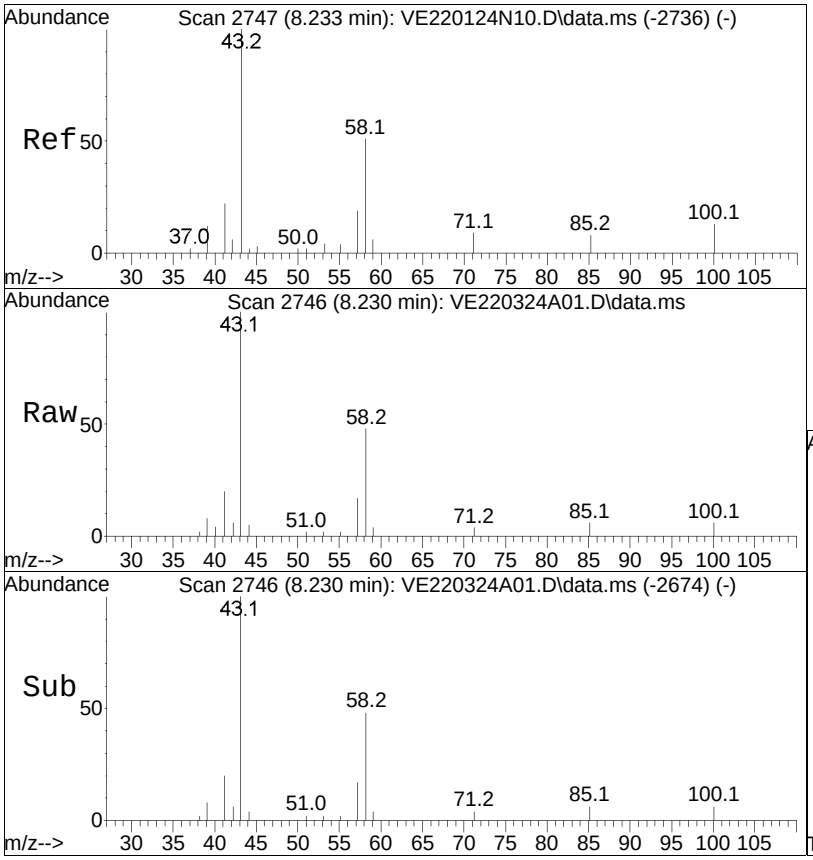


#71
1,2-Dibromoethane
Concen: 8.63 ug/L
RT: 7.974 min Scan# 2654
Delta R.T. -0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:107 Resp: 20622

Ion	Ratio	Lower	Upper
107	100		
109	97.6	74.3	111.5

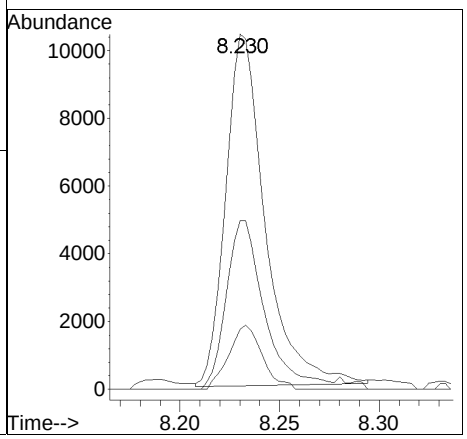


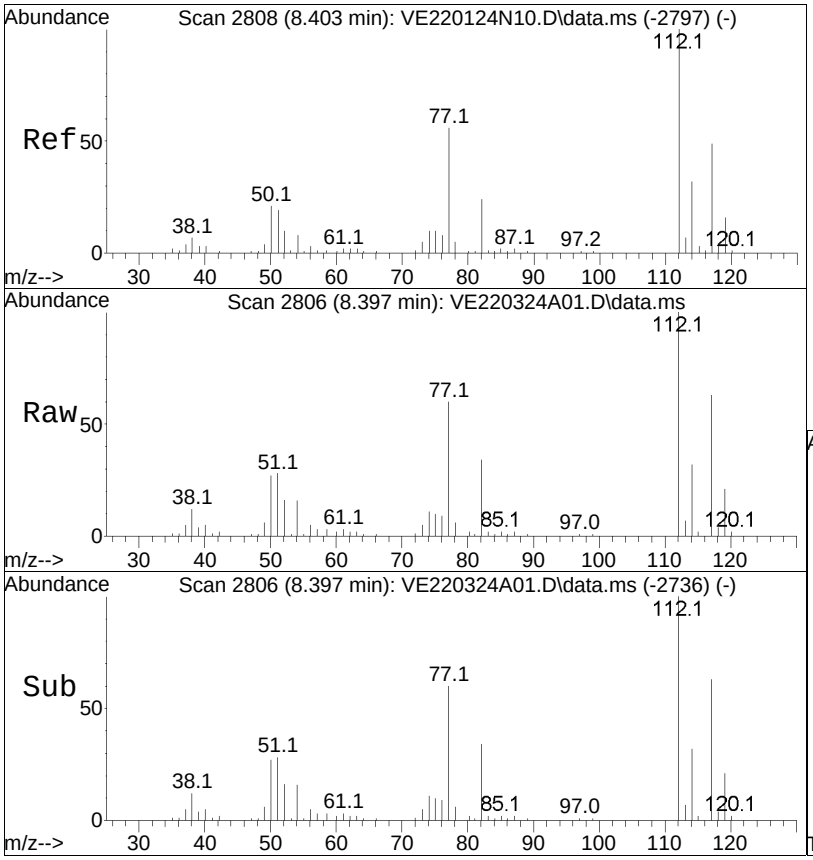


#72
2-Hexanone
Concen: 8.99 ug/L
RT: 8.230 min Scan# 2746
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 43 Resp: 14368

Ion	Ratio	Lower	Upper
43	100		
58	46.7	41.2	61.8
57	15.5	17.2	25.8#

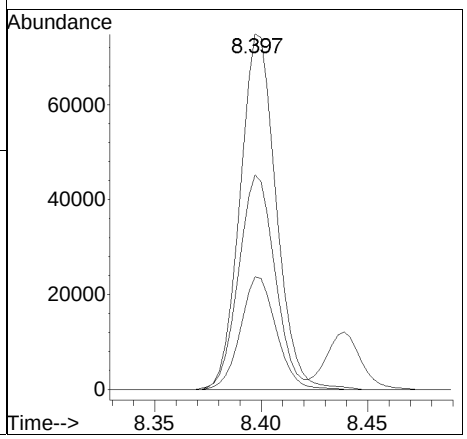


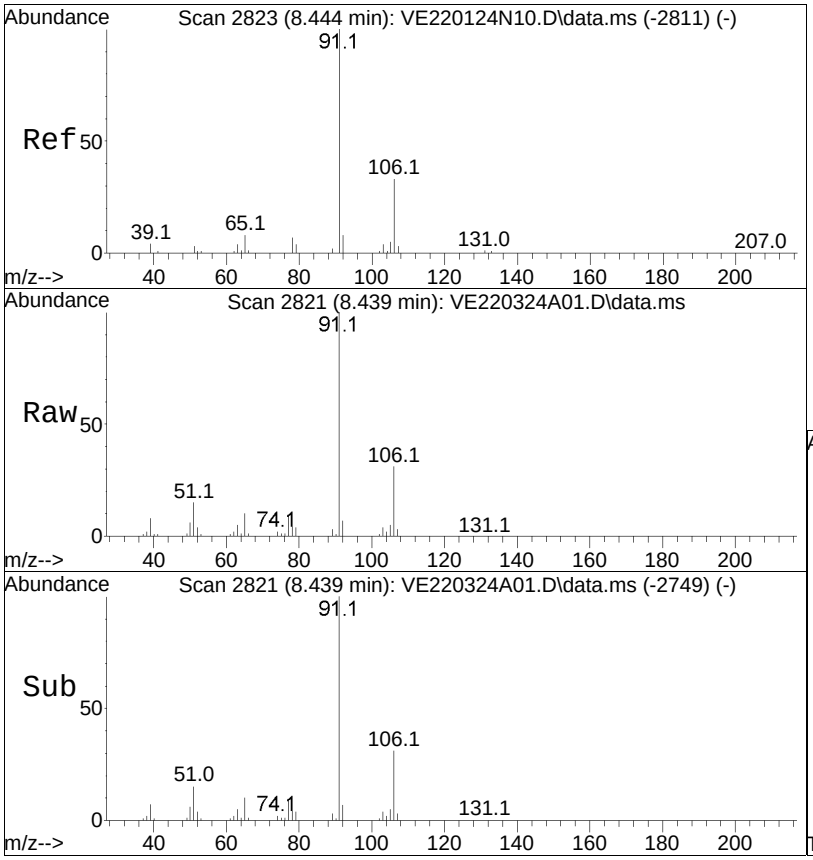


#73
Chlorobenzene
Concen: 10.64 ug/L
RT: 8.397 min Scan# 2806
Delta R.T. -0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:112 Resp: 88110

Ion	Ratio	Lower	Upper
112	100		
77	60.9	55.4	83.0
114	31.4	25.4	38.2

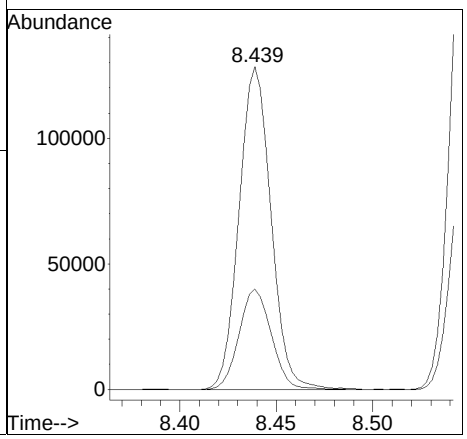


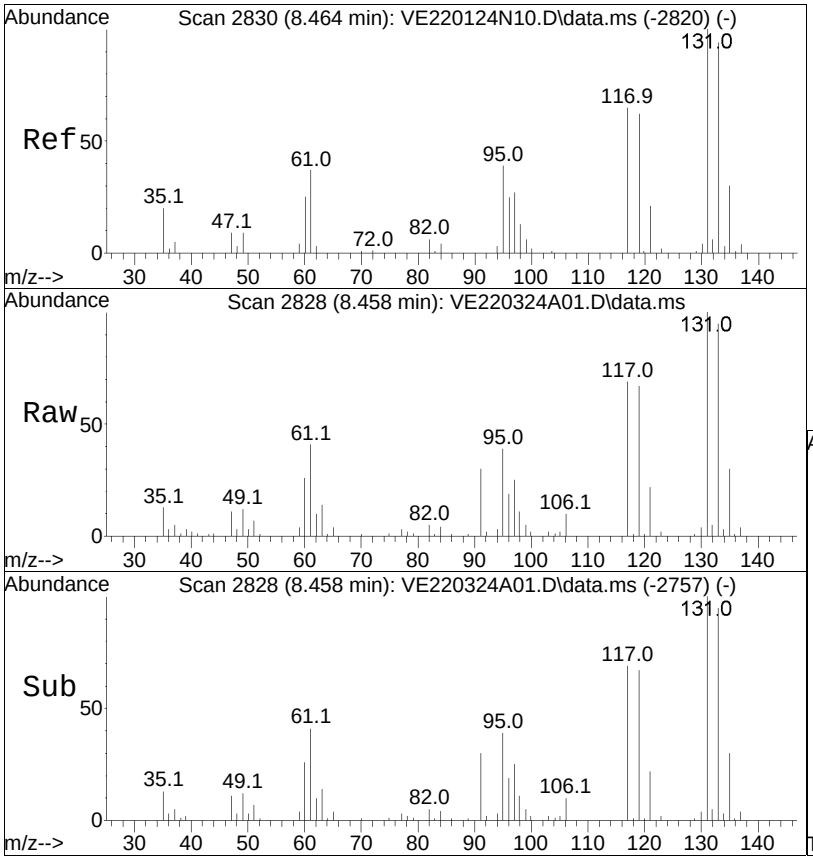


#74
Ethylbenzene
Concen: 10.82 ug/L
RT: 8.439 min Scan# 2821
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 91 Resp: 147906

Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.3	36.5

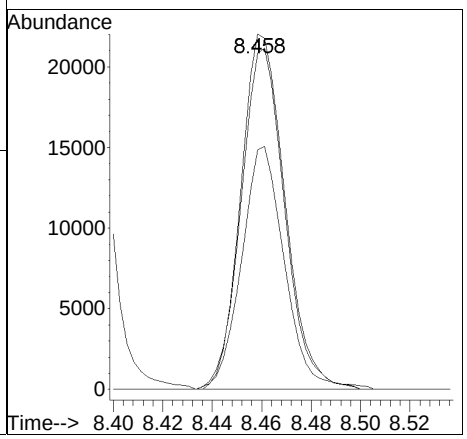


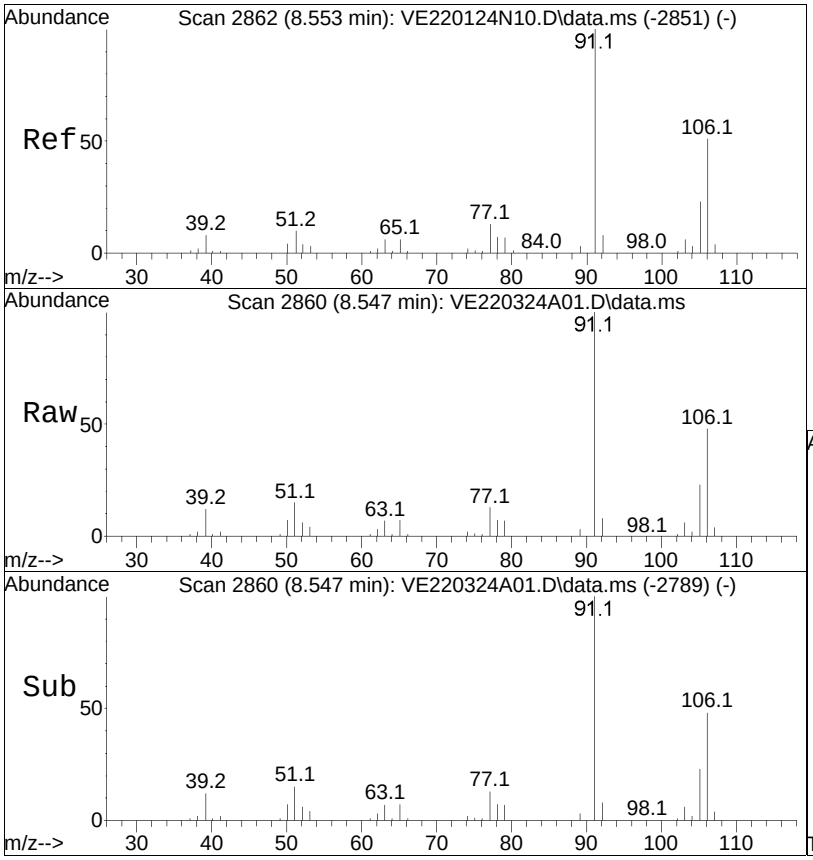


#75
1,1,1,2-Tetrachloroethane
Concen: 10.07 ug/L
RT: 8.458 min Scan# 2828
Delta R.T. -0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:131 Resp: 27391

Ion	Ratio	Lower	Upper
131	100		
133	95.3	81.0	121.0
119	66.2	41.3	81.3

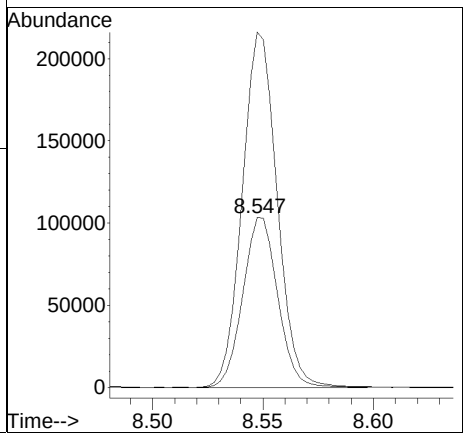


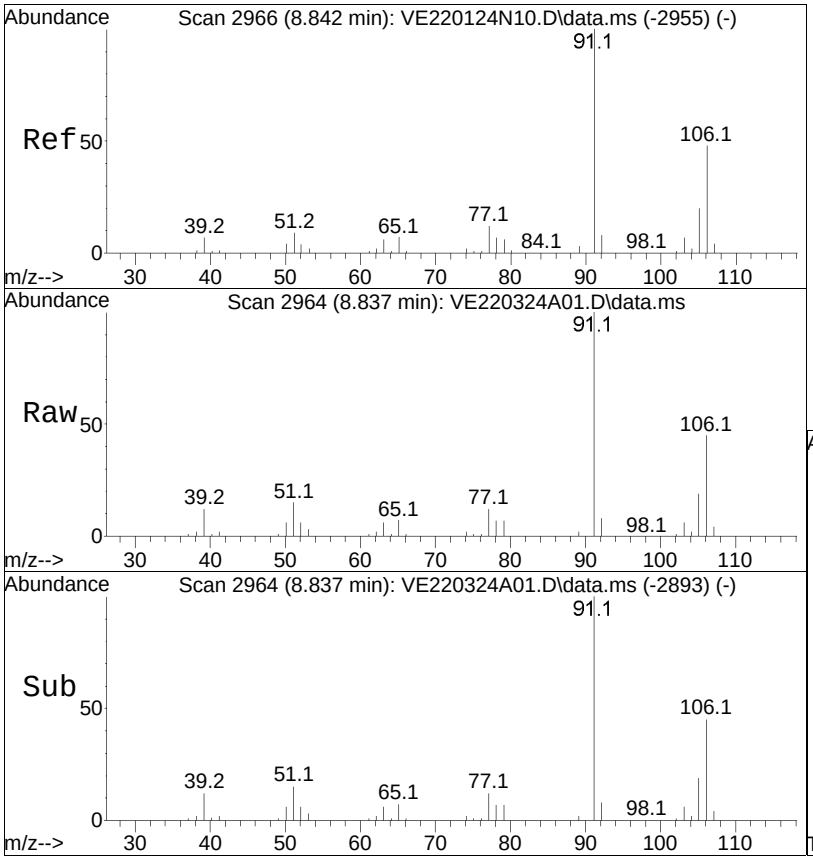


#76
p/m Xylene
Concen: 21.69 ug/L
RT: 8.547 min Scan# 2860
Delta R.T. -0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:106 Resp: 113676

Ion	Ratio	Lower	Upper
106	100		
91	209.0	166.4	249.6

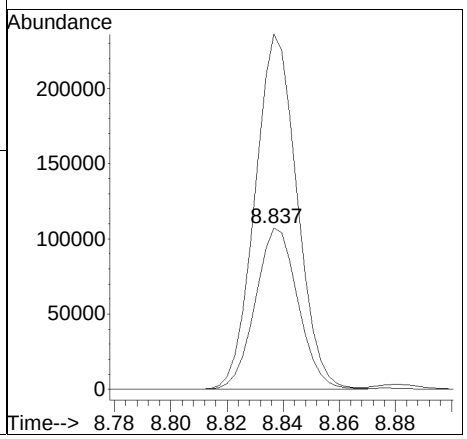


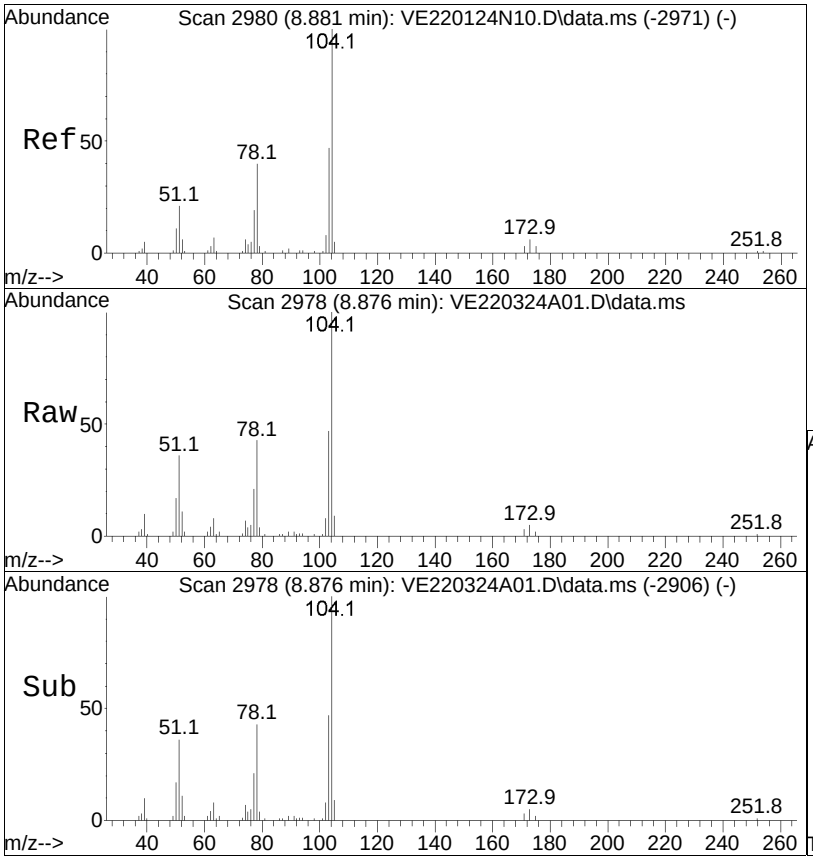


#77
o Xylene
Concen: 21.84 ug/L
RT: 8.837 min Scan# 2964
Delta R.T. -0.002 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:106 Resp: 112998

Ion	Ratio	Lower	Upper
106	100		
91	217.1	182.6	273.8

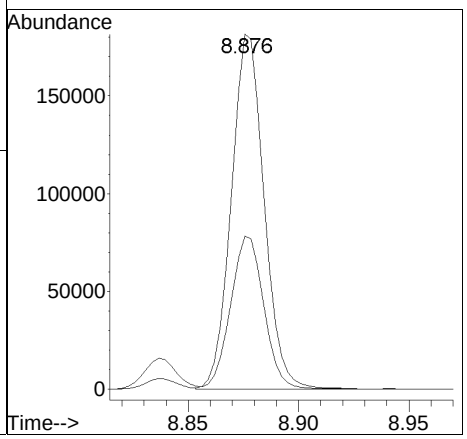


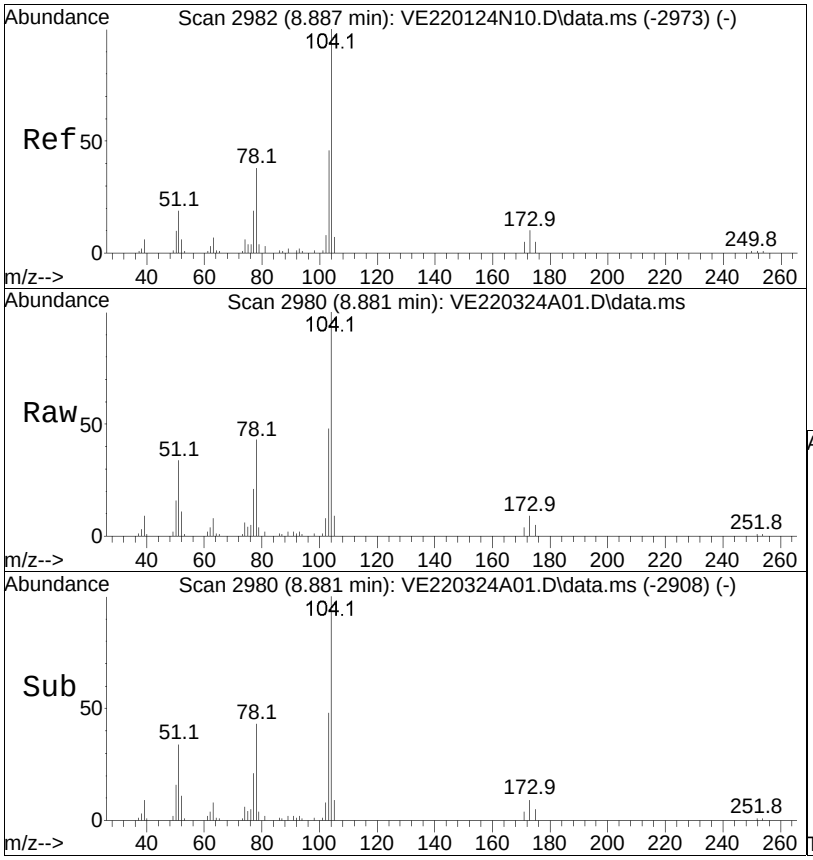


#78
Styrene
Concen: 22.57 ug/L
RT: 8.876 min Scan# 2978
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:104 Resp: 187312

Ion	Ratio	Lower	Upper
104	100		
78	43.4	39.8	59.6

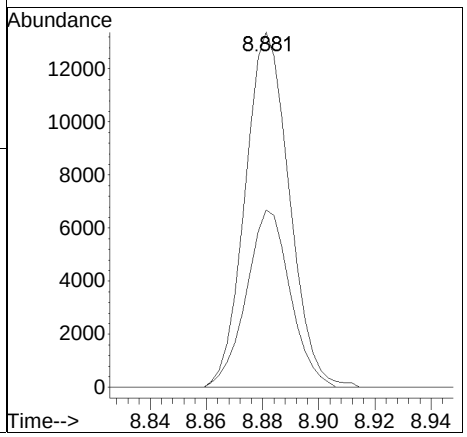


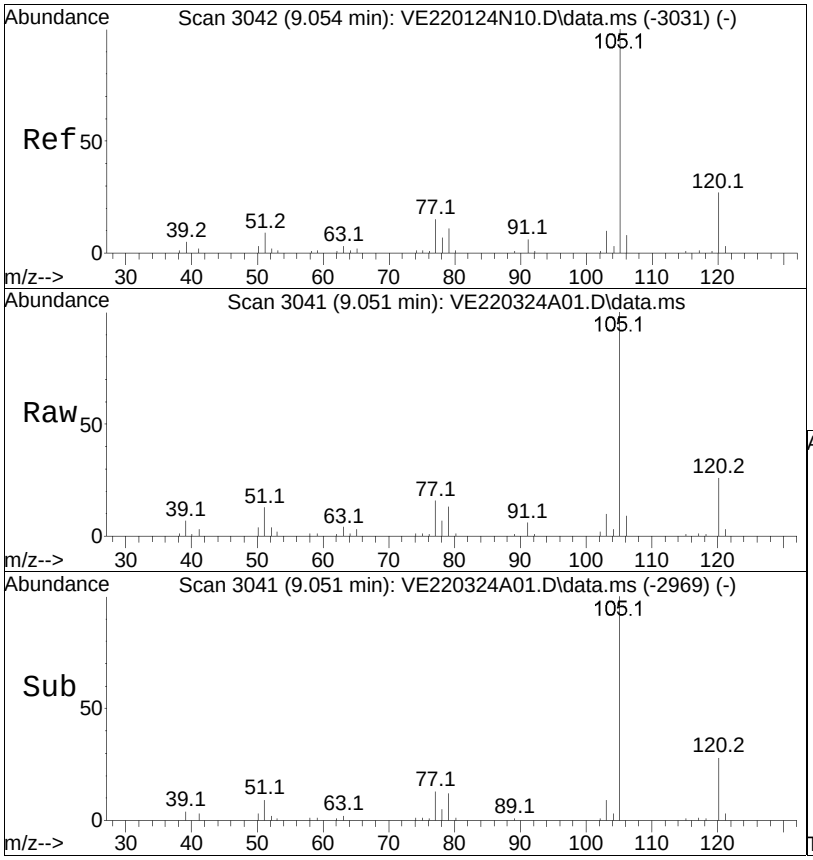


#80
Bromoform
Concen: 9.20 ug/L
RT: 8.881 min Scan# 2980
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:173 Resp: 14642

Ion	Ratio	Lower	Upper
173	100		
175	49.7	31.5	71.5

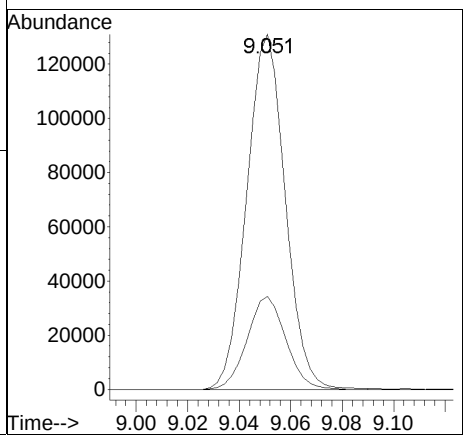


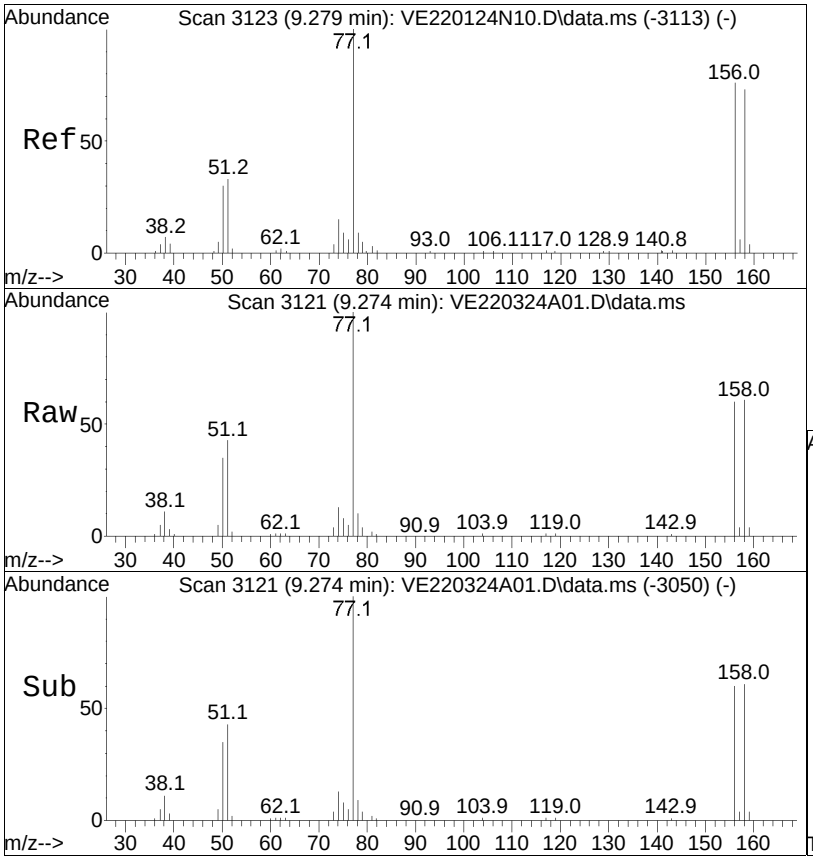


#82
Isopropylbenzene
Concen: 10.33 ug/L
RT: 9.051 min Scan# 3041
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:105 Resp: 136035

Ion	Ratio	Lower	Upper
105	100		
120	26.2	4.8	44.8

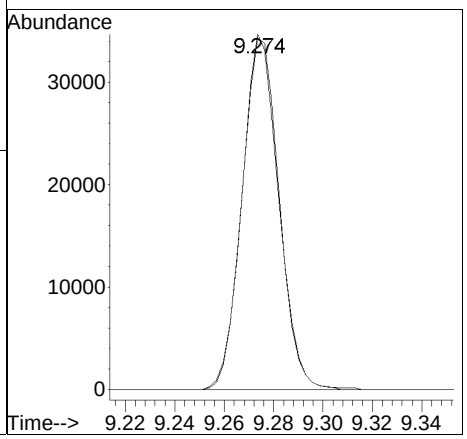


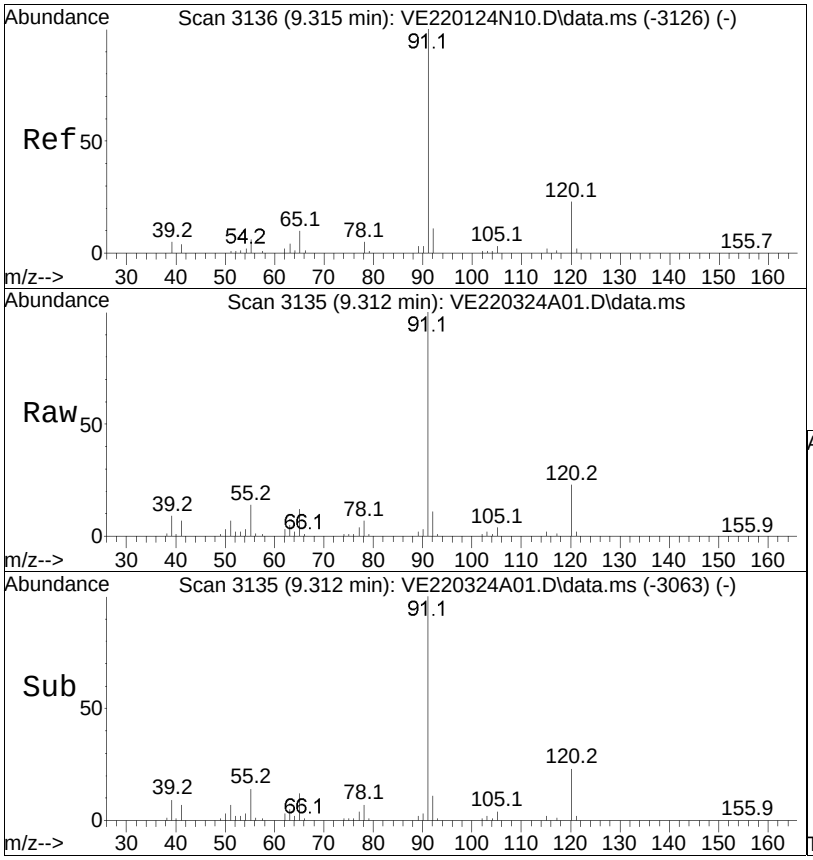


#84
Bromobenzene
Concen: 10.59 ug/L
RT: 9.274 min Scan# 3121
Delta R.T. -0.002 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:156 Resp: 35730

Ion	Ratio	Lower	Upper
156	100		
158	99.3	75.9	113.9

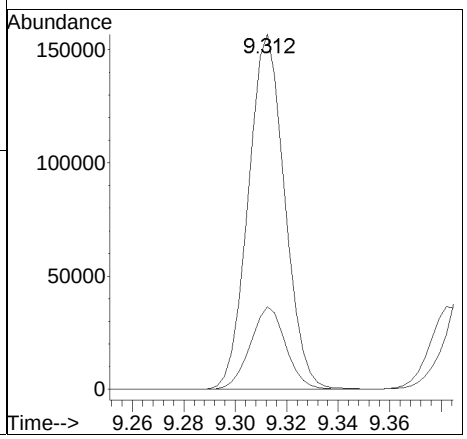


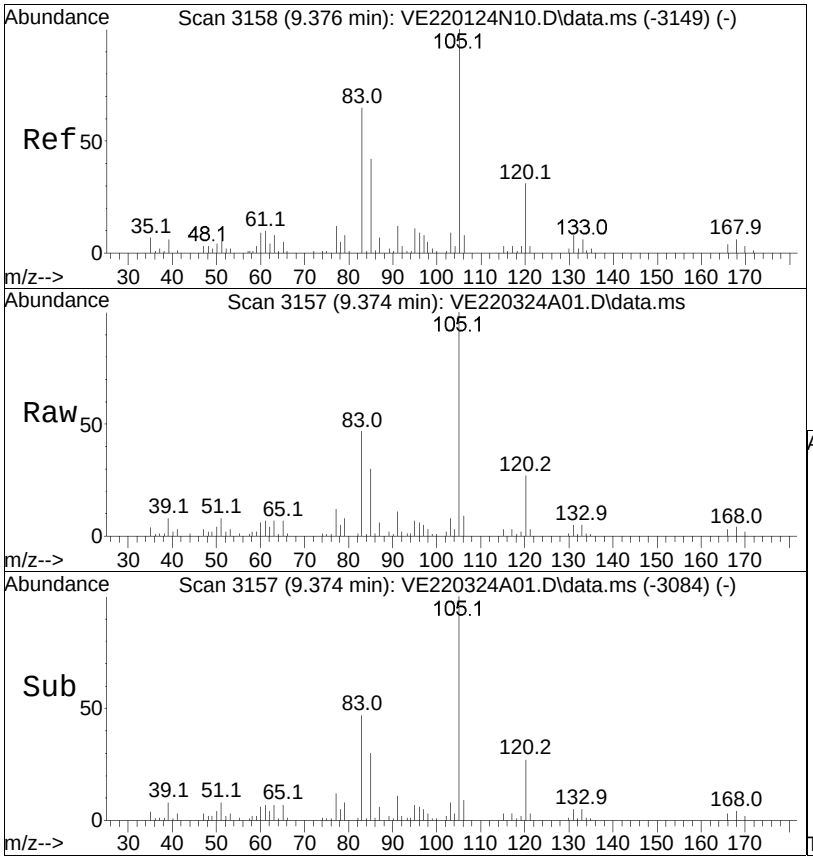


#85
n-Propylbenzene
Concen: 10.27 ug/L
RT: 9.312 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 91 Resp: 153919

Ion	Ratio	Lower	Upper
91	100		
120	22.7	17.0	25.6

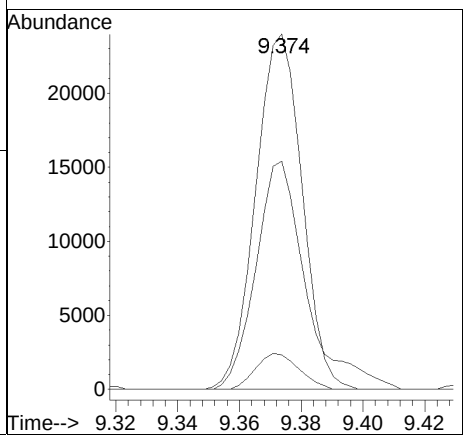


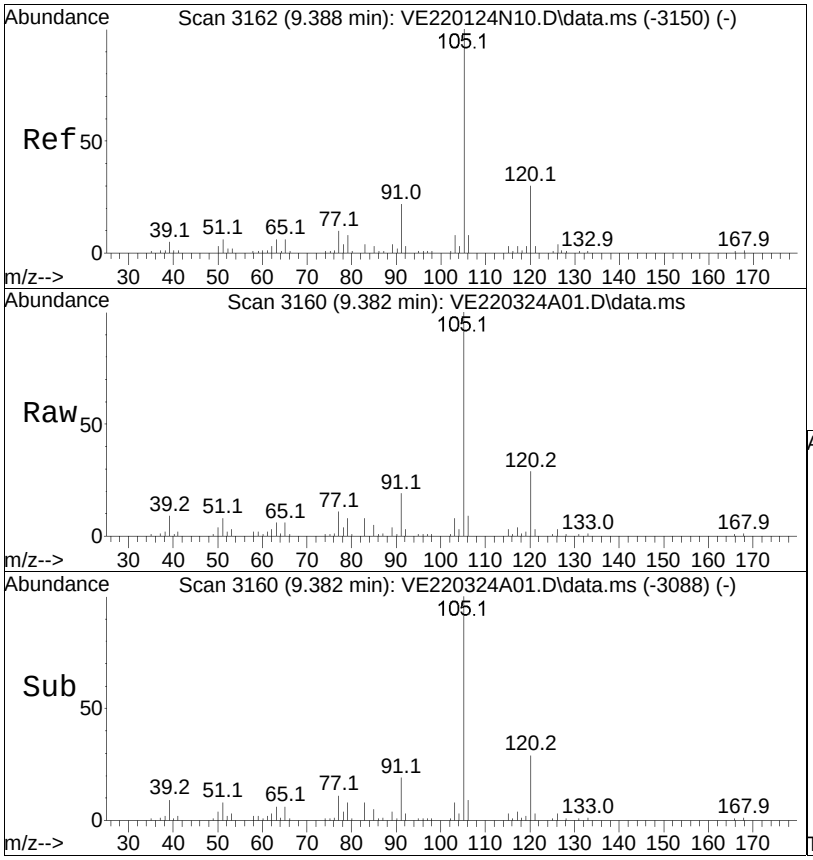


#87
1,1,2,2-Tetrachloroethane
Concen: 9.24 ug/L
RT: 9.374 min Scan# 3157
Delta R.T. 0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 83 Resp: 25074

Ion	Ratio	Lower	Upper
83	100		
131	9.5	0.0	30.4
85	69.5	45.4	85.4

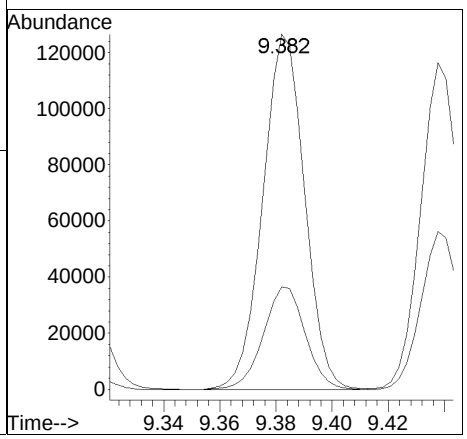


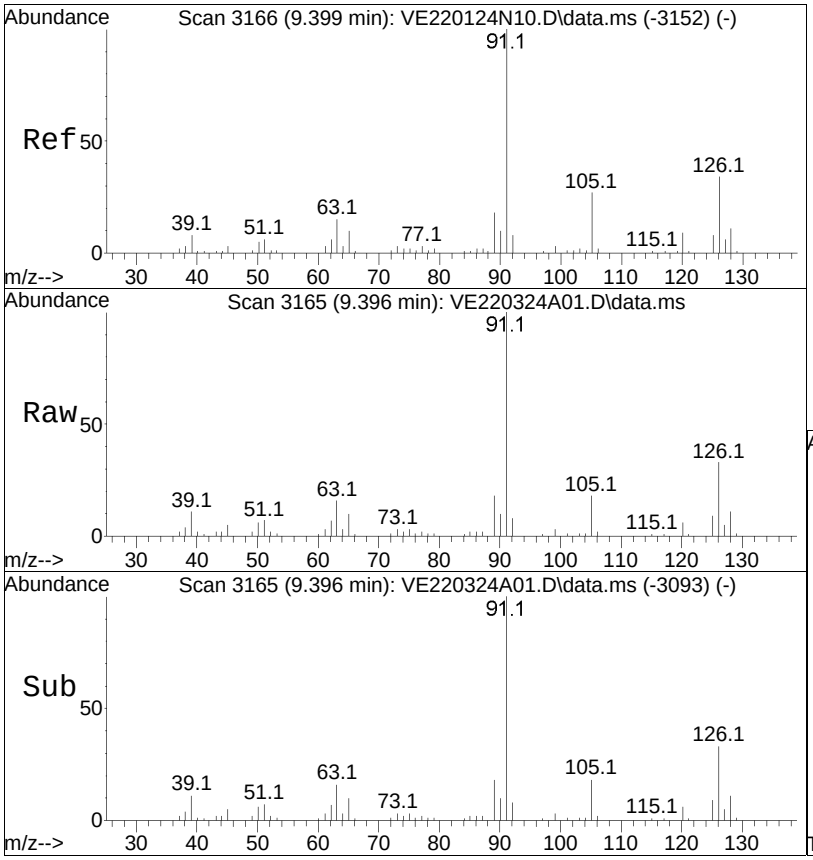


#88
4-Ethyltoluene
Concen: 10.53 ug/L
RT: 9.382 min Scan# 3160
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:105 Resp: 130570

Ion	Ratio	Lower	Upper
105	100		
120	28.9	18.1	37.7

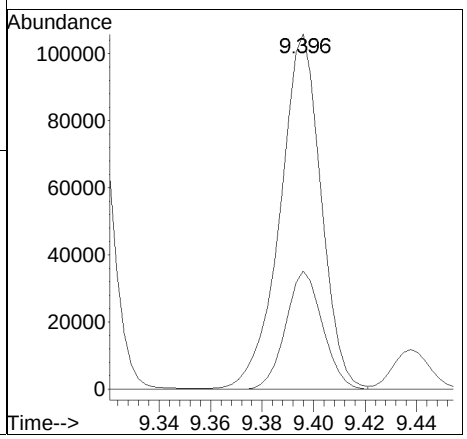


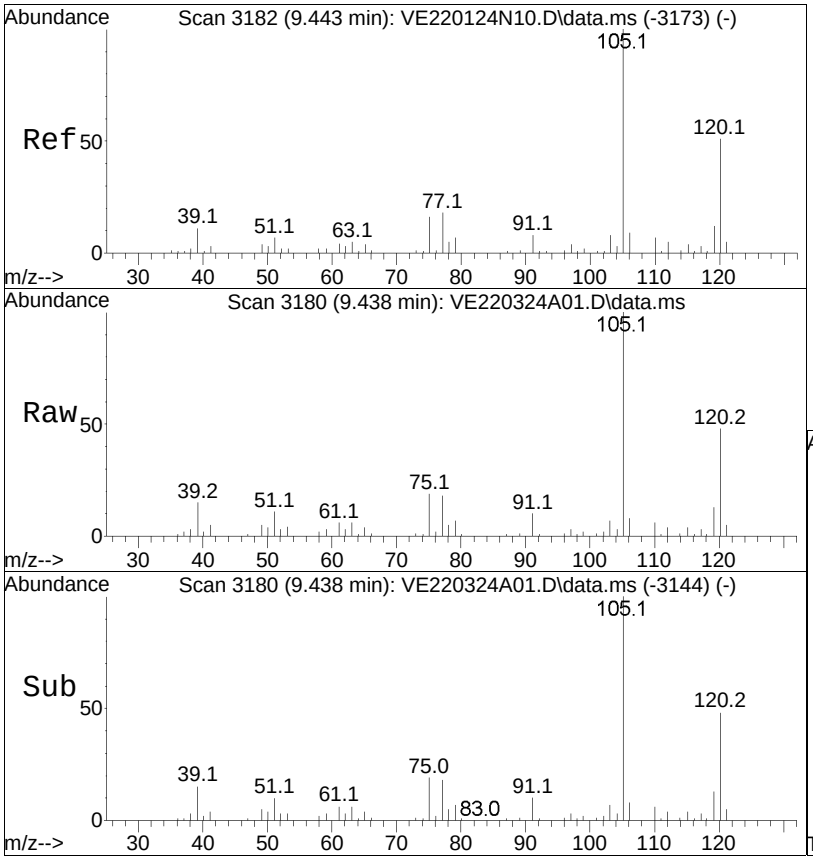


#89
2-Chlorotoluene
Concen: 10.48 ug/L
RT: 9.396 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 91 Resp: 117275

Ion	Ratio	Lower	Upper
91	100		
126	29.9	21.5	32.3

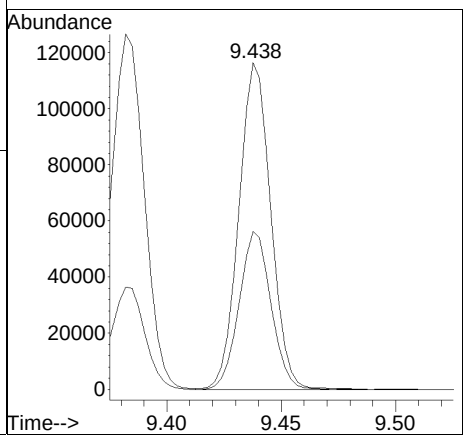


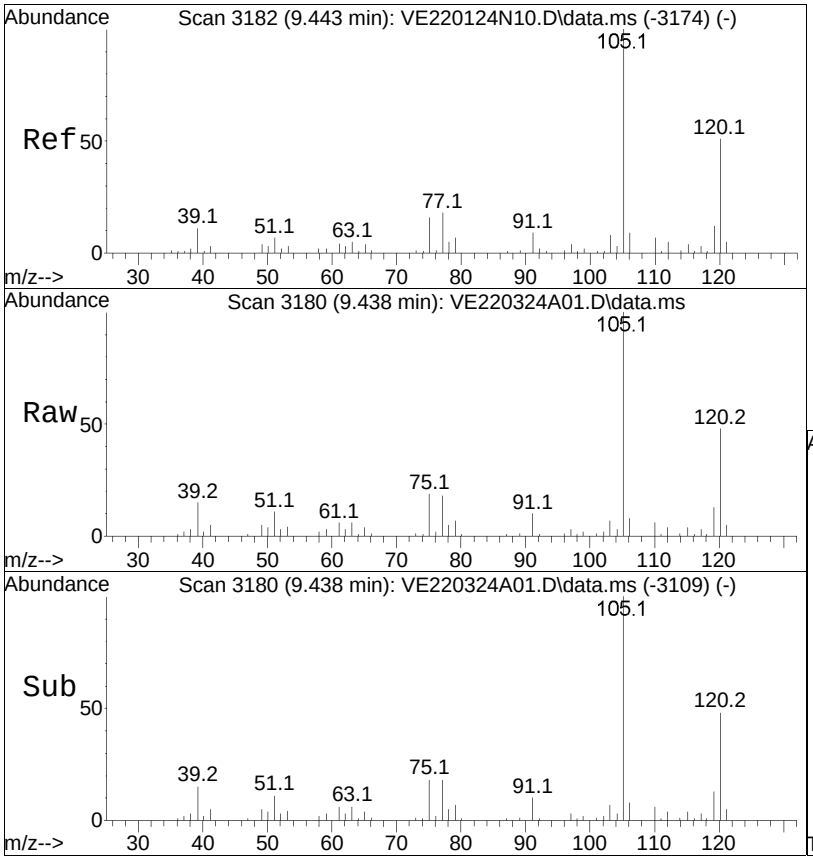


#90
1,3,5-Trimethylbenzene
Concen: 10.71 ug/L
RT: 9.438 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:105 Resp: 112948

Ion	Ratio	Lower	Upper
105	100		
120	48.2	34.8	52.2

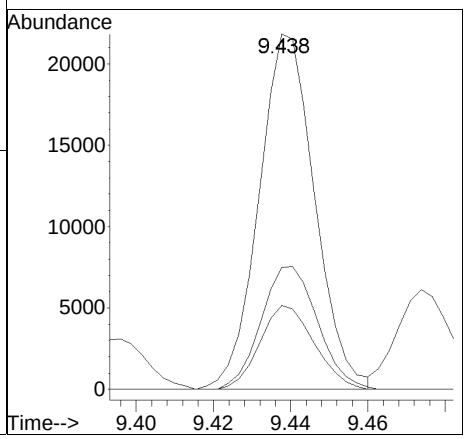


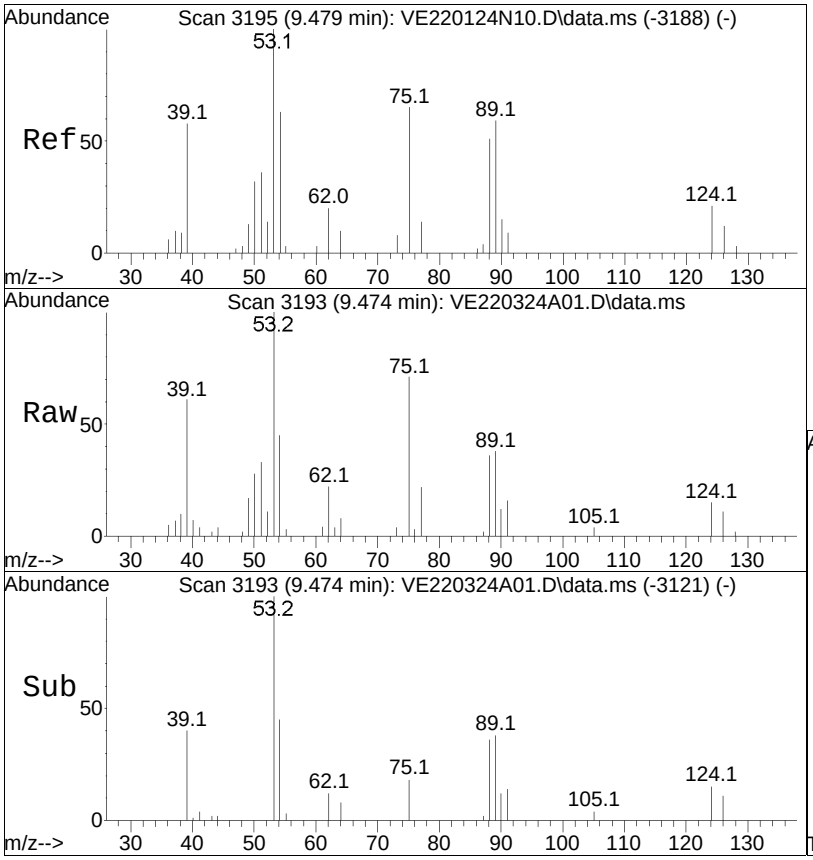


#91
1,2,3-Trichloropropane
Concen: 9.46 ug/L
RT: 9.438 min Scan# 3180
Delta R.T. -0.002 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 75 Resp: 21919

Ion	Ratio	Lower	Upper
75	100		
110	35.1	25.4	52.8
112	23.0	15.6	32.4

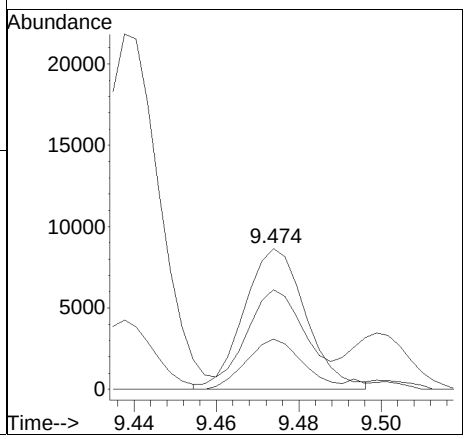


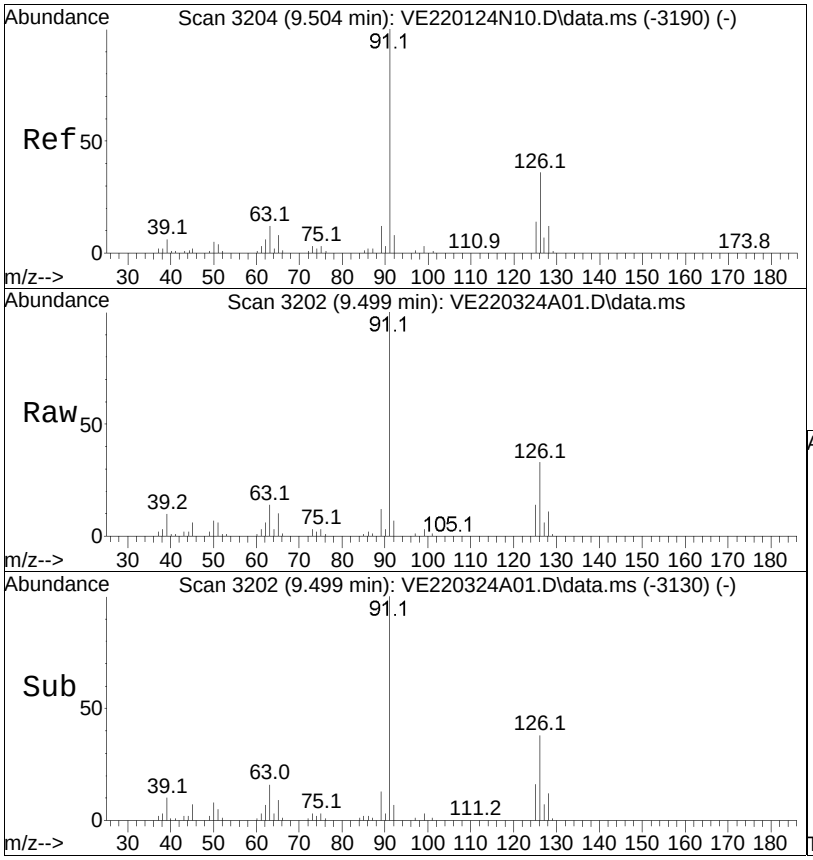


#92
trans-1,4-Dichloro-2-butene
Concen: 9.39 ug/L M4
RT: 9.474 min Scan# 3193
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 53 Resp: 9036

Ion	Ratio	Lower	Upper
53	100		
88	32.8	39.6	59.4#
75	67.2	70.2	105.4#

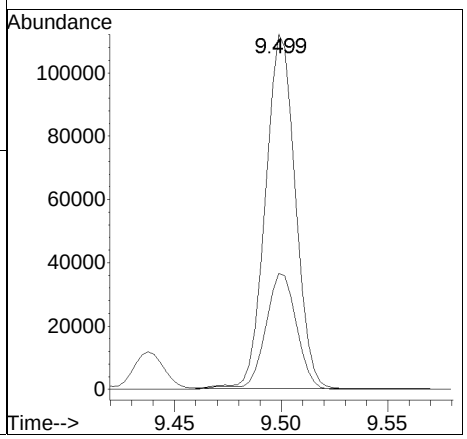


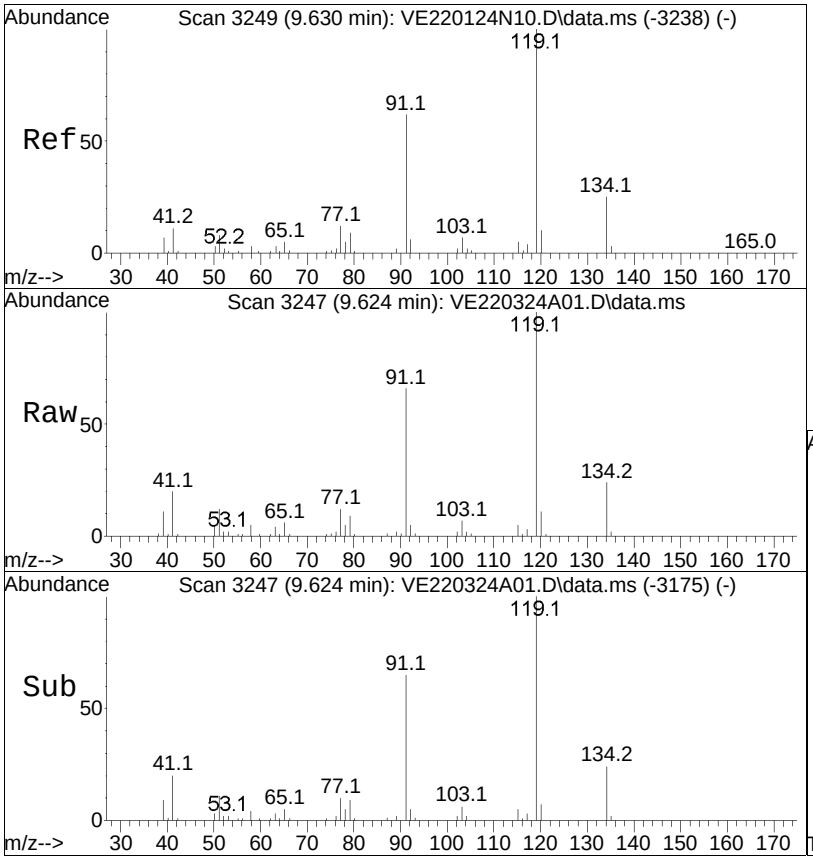


#93
4-Chlorotoluene
Concen: 10.69 ug/L
RT: 9.499 min Scan# 3202
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 91 Resp: 109479

Ion	Ratio	Lower	Upper
91	100		
126	33.2	24.6	36.8

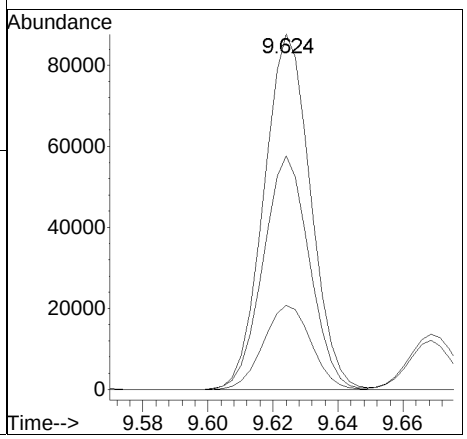


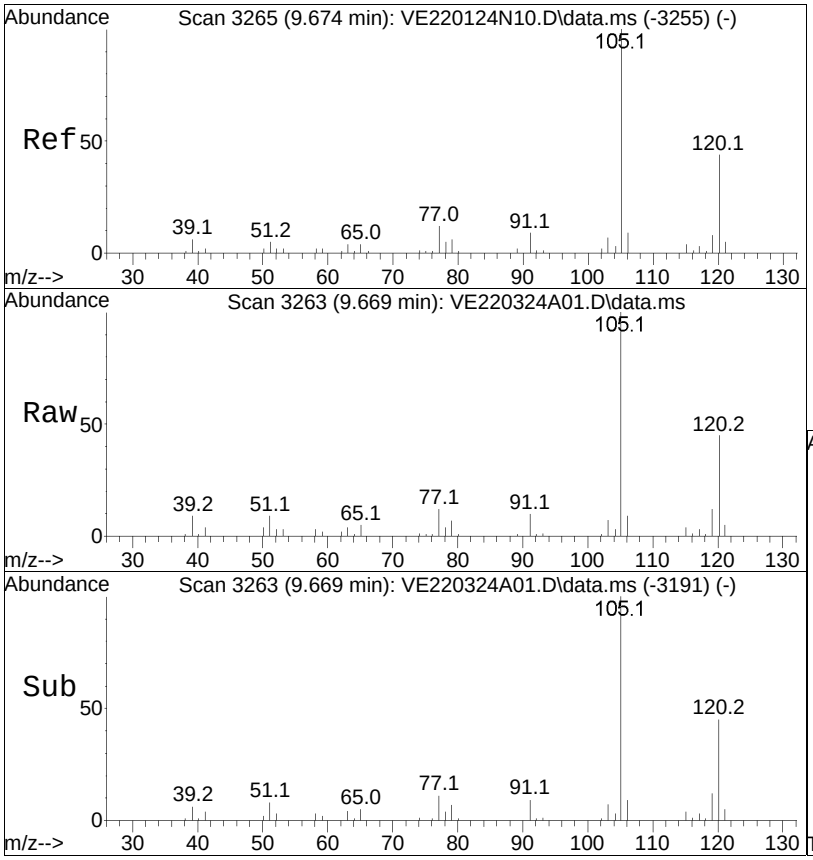


#94
tert-Butylbenzene
Concen: 10.38 ug/L
RT: 9.624 min Scan# 3247
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:119 Resp: 87646

Ion	Ratio	Lower	Upper
119	100		
91	65.2	51.4	77.2
134	24.1	18.3	27.5

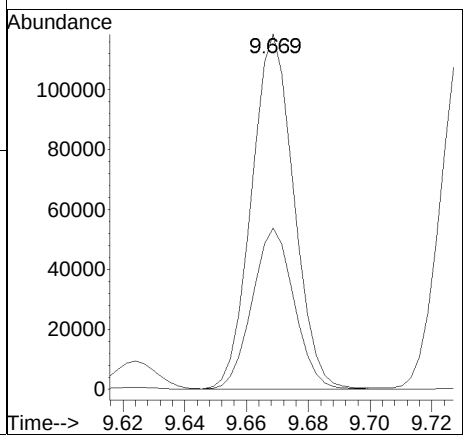


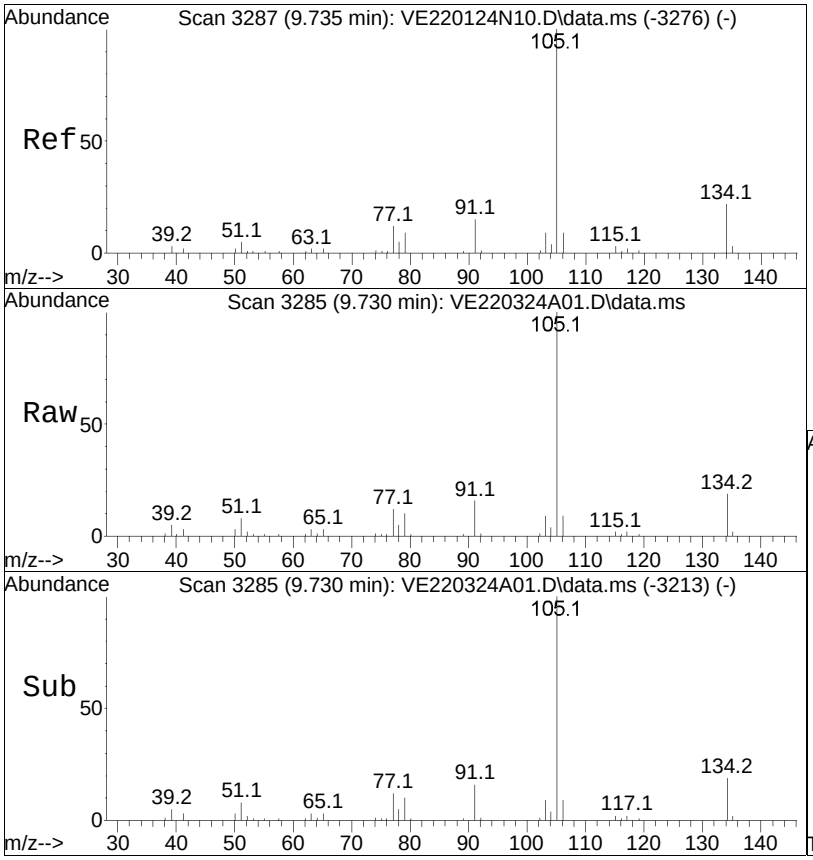


#97
1,2,4-Trimethylbenzene
Concen: 10.50 ug/L
RT: 9.669 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:105 Resp: 112926

Ion	Ratio	Lower	Upper
105	100		
120	45.0	33.4	50.0

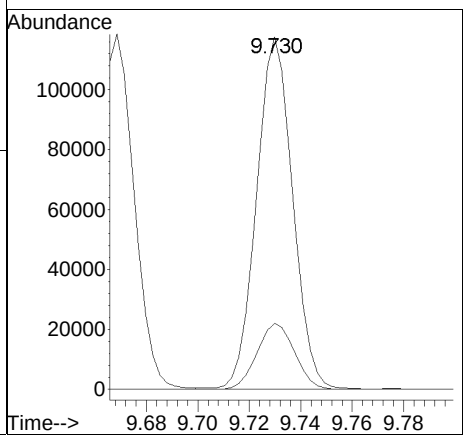


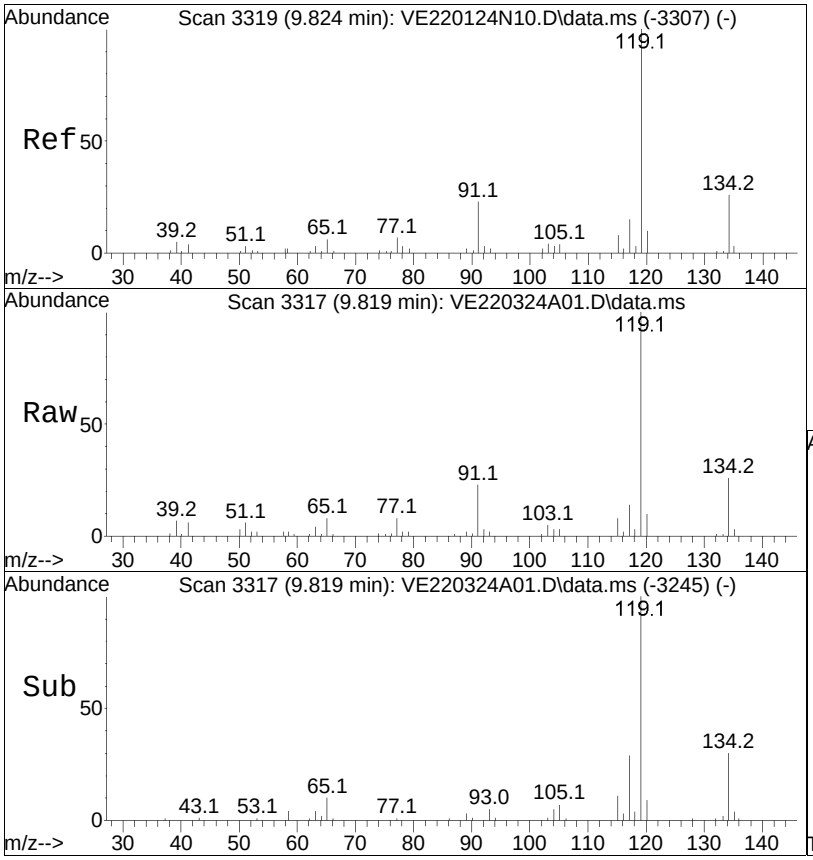


#98
sec-Butylbenzene
Concen: 10.21 ug/L
RT: 9.730 min Scan# 3285
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:105 Resp: 114316

Ion	Ratio	Lower	Upper
105	100		
134	19.5	12.5	26.1

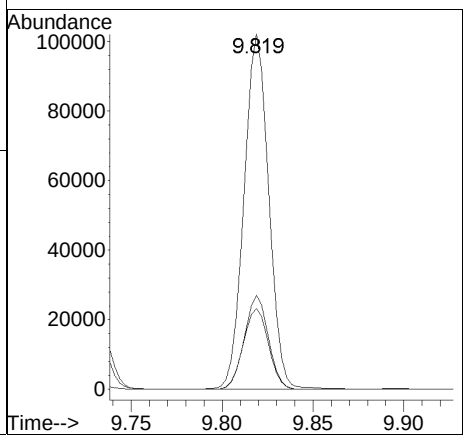


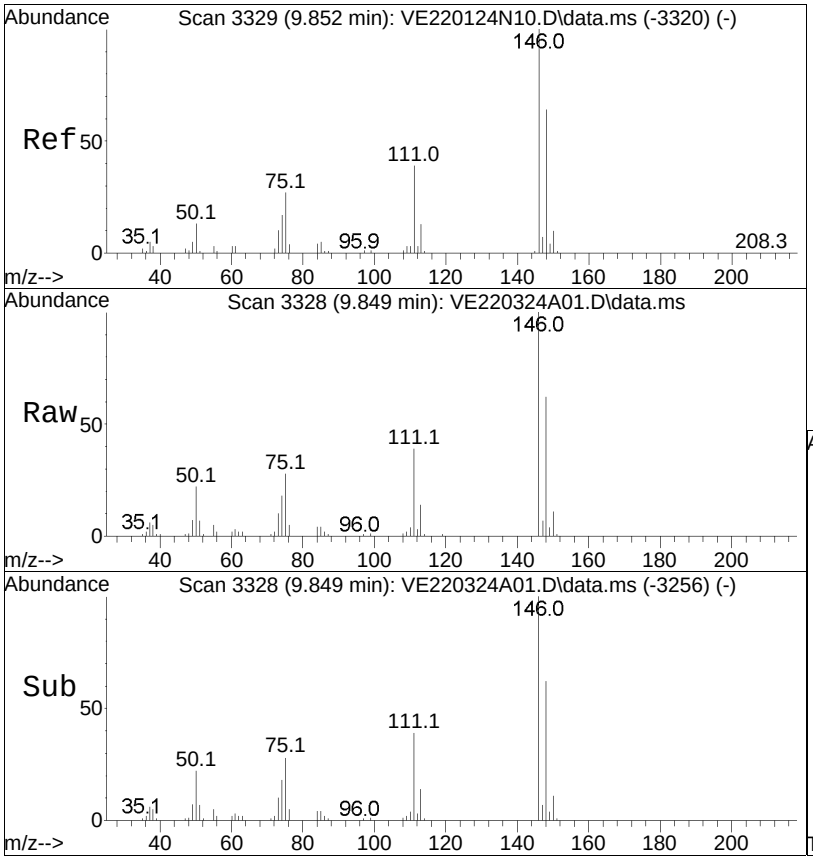


#99
p-Isopropyltoluene
Concen: 9.52 ug/L
RT: 9.819 min Scan# 3317
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:119 Resp: 96829

Ion	Ratio	Lower	Upper
119	100		
134	25.6	16.1	33.3
91	23.2	17.3	35.9

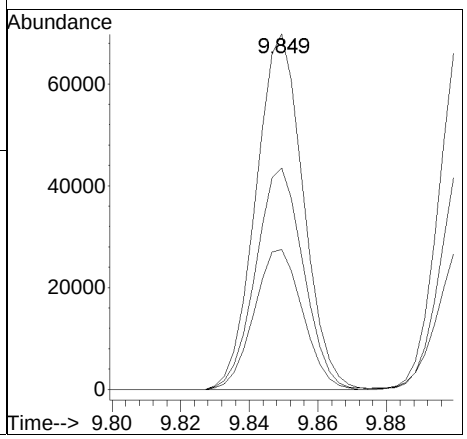


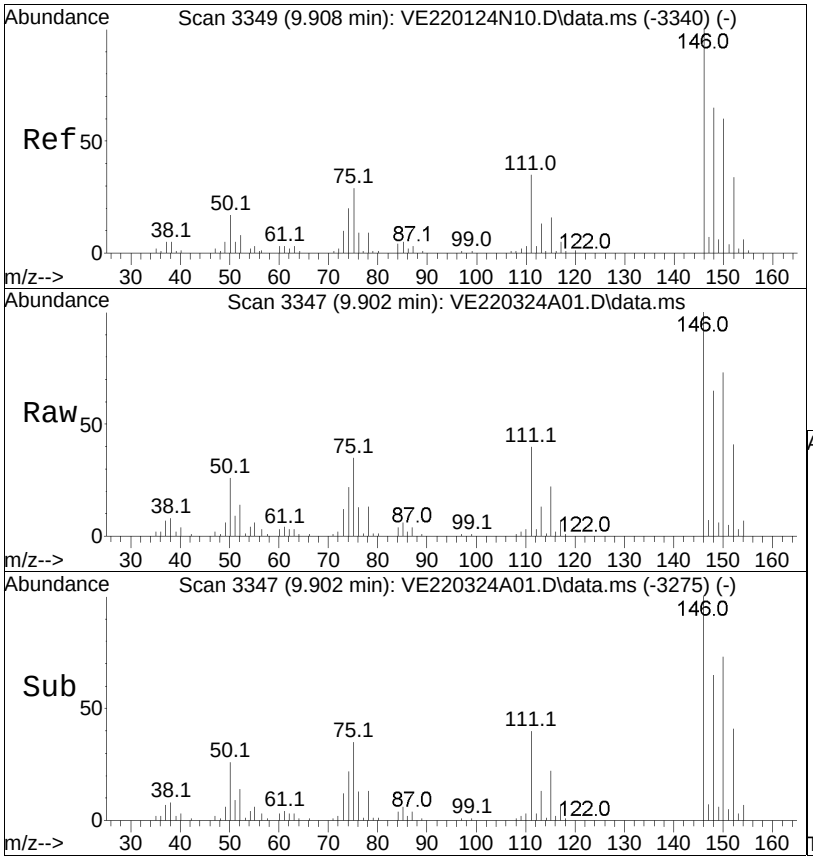


#100
1,3-Dichlorobenzene
Concen: 11.04 ug/L
RT: 9.849 min Scan# 3328
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:146 Resp: 66901

Ion	Ratio	Lower	Upper
146	100		
111	40.3	27.5	57.1
148	62.8	41.9	86.9

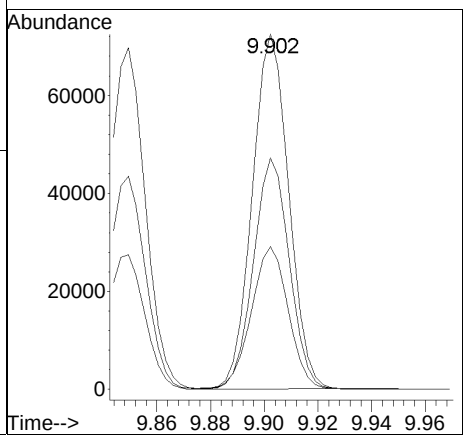


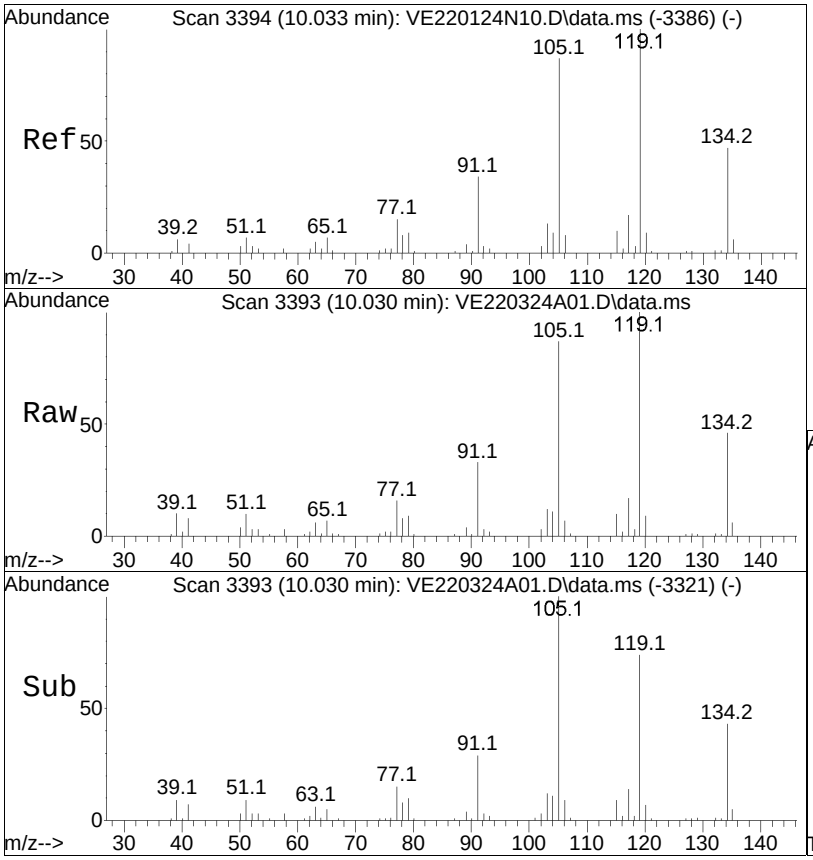


#101
1,4-Dichlorobenzene
Concen: 11.11 ug/L
RT: 9.902 min Scan# 3347
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:146 Resp: 68239

Ion	Ratio	Lower	Upper
146	100		
111	41.1	32.3	48.5
148	64.6	49.9	74.9

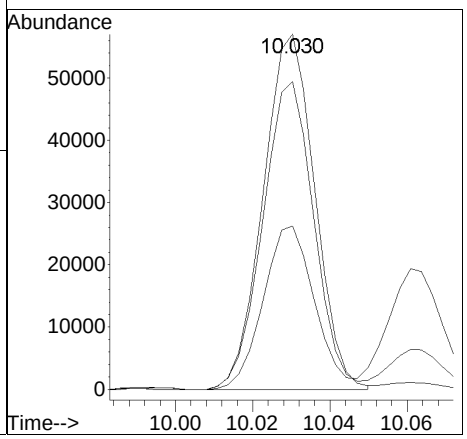


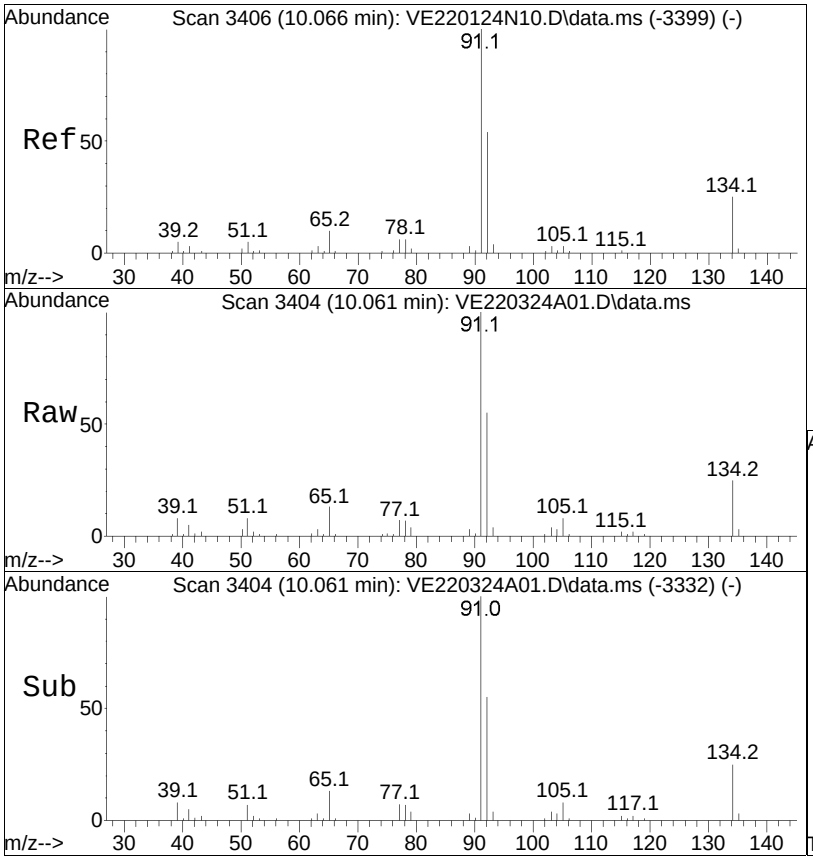


#102
p-Diethylbenzene
Concen: 9.39 ug/L
RT: 10.030 min Scan# 3393
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:119 Resp: 52914

Ion	Ratio	Lower	Upper
119	100		
105	85.8	59.5	123.7
134	45.9	30.2	62.6

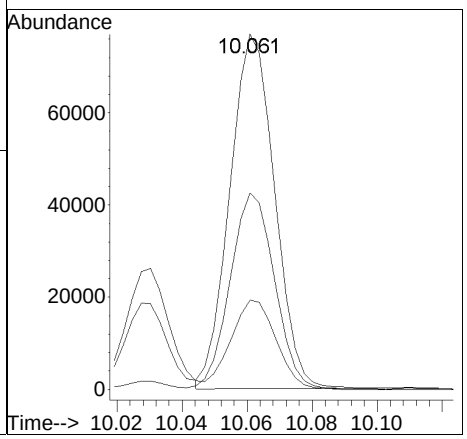


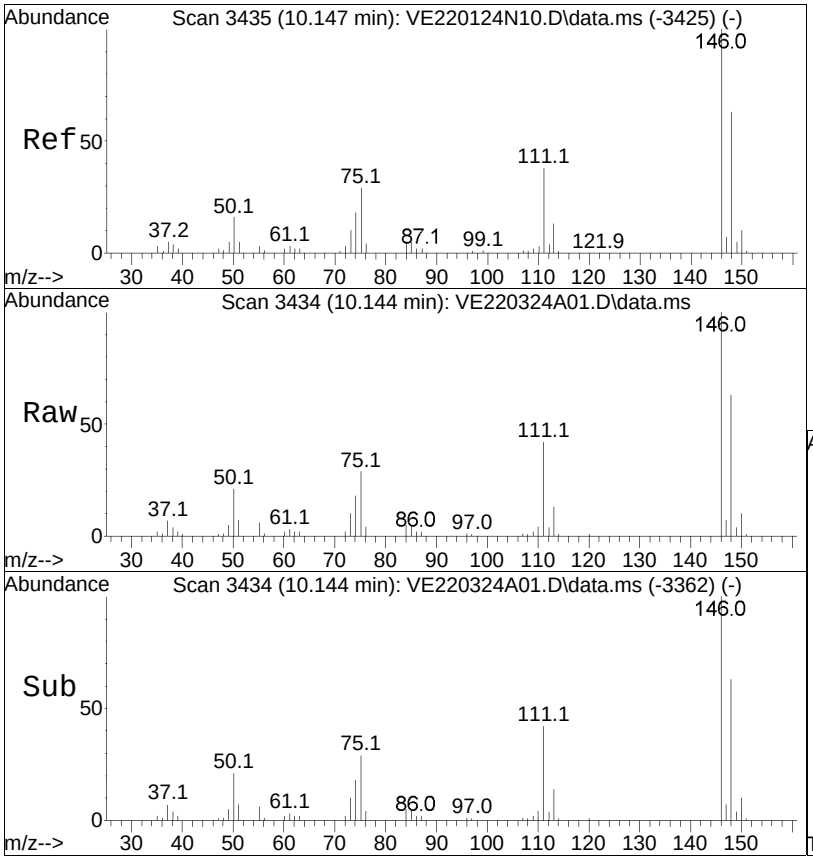


#103
n-Butylbenzene
Concen: 9.31 ug/L
RT: 10.061 min Scan# 3404
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion: 91 Resp: 73529

Ion	Ratio	Lower	Upper
91	100		
92	55.2	43.0	64.4
134	25.3	19.6	29.4

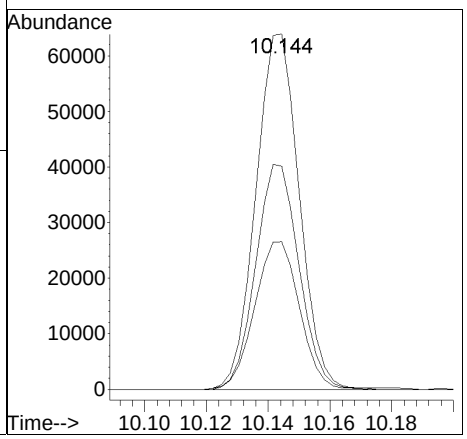


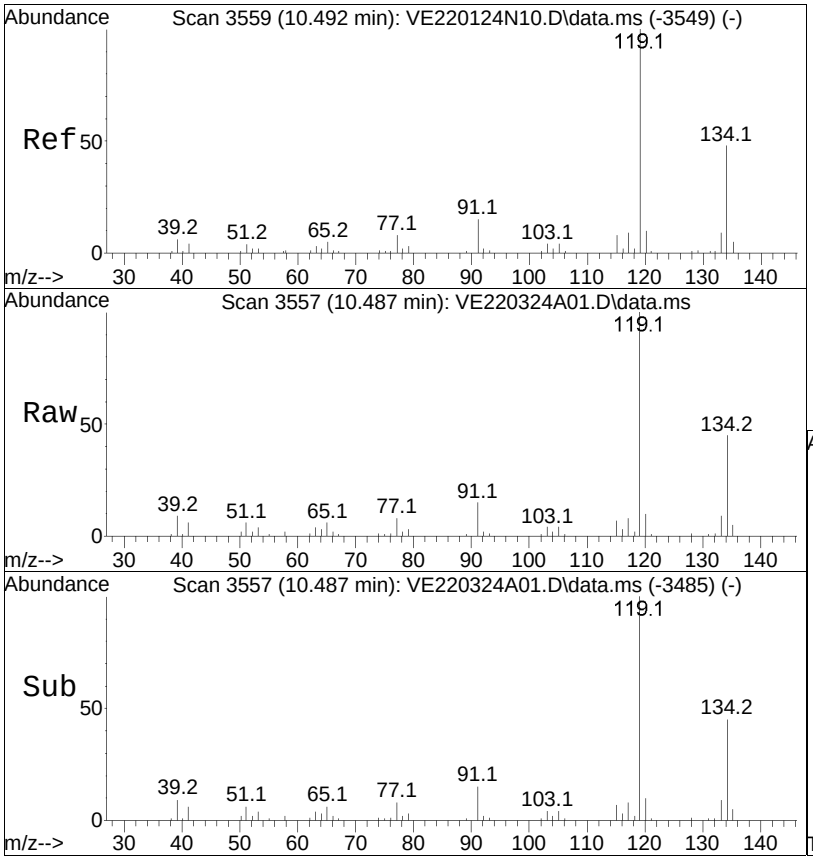


#104
1,2-Dichlorobenzene
Concen: 10.60 ug/L
RT: 10.144 min Scan# 3434
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:146 Resp: 62360

Ion	Ratio	Lower	Upper
146	100		
111	42.9	28.3	58.7
148	63.3	42.3	87.8

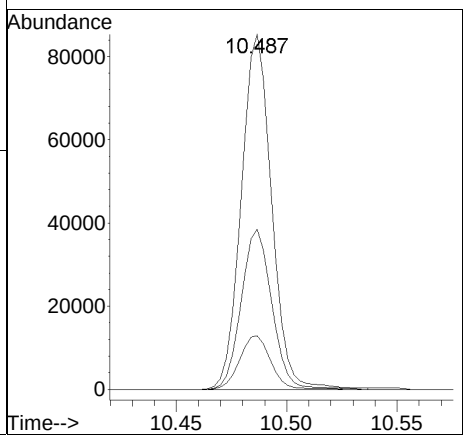


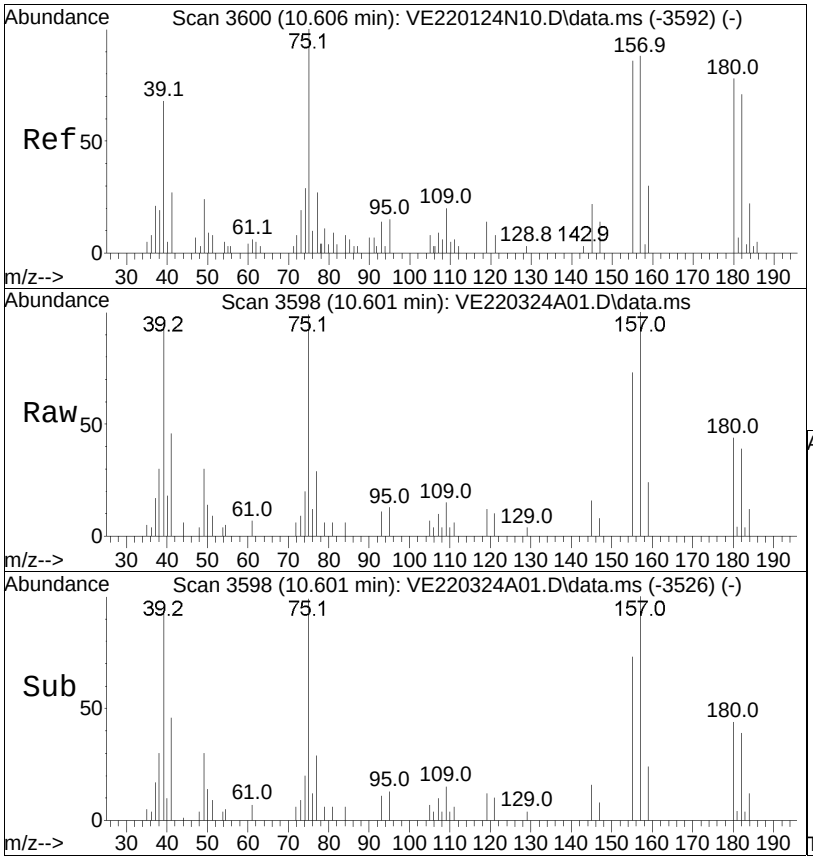


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.11 ug/L
RT: 10.487 min Scan# 3557
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:119 Resp: 81749

Ion	Ratio	Lower	Upper
119	100		
134	45.6	30.5	63.3
91	15.5	12.4	25.7

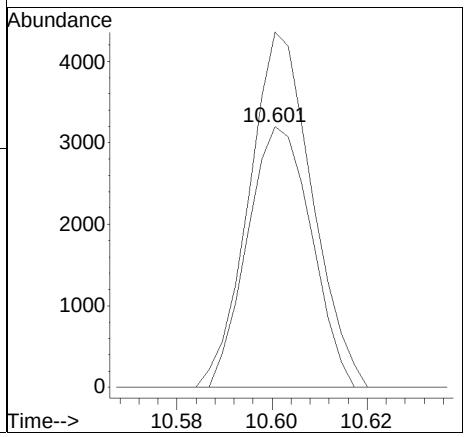


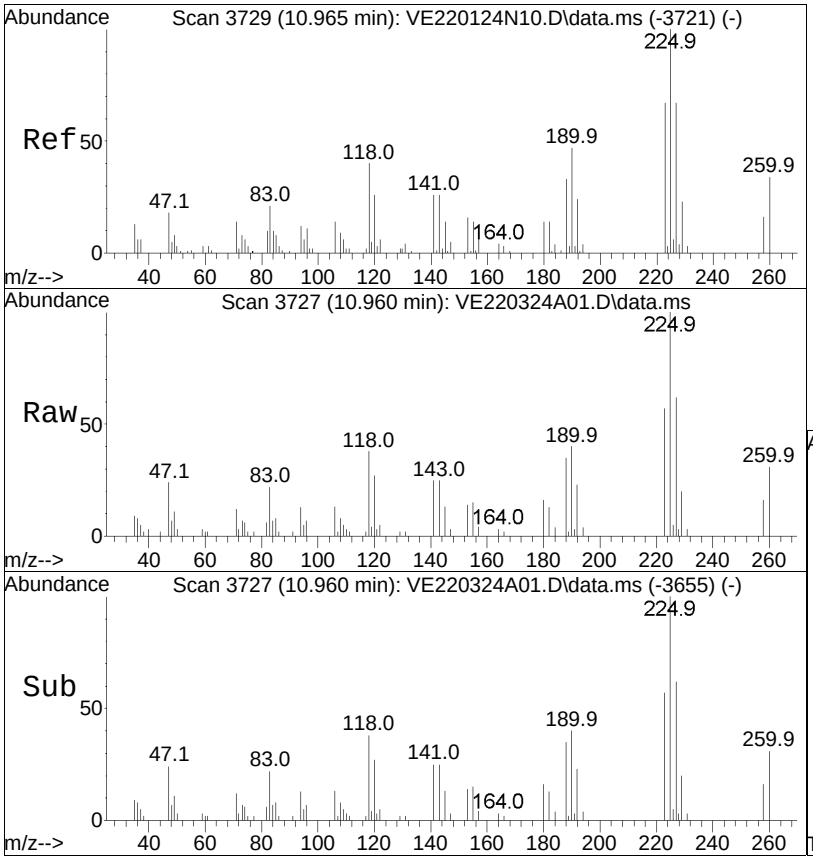


#106
1,2-Dibromo-3-chloropropane
Concen: 8.33 ug/L
RT: 10.601 min Scan# 3598
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:155 Resp: 2979

Ion	Ratio	Lower	Upper
155	100		
157	135.1	94.8	142.2

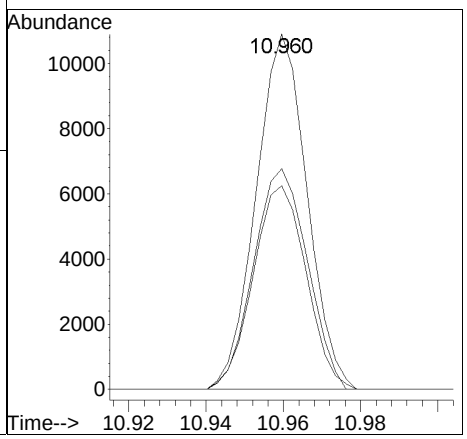


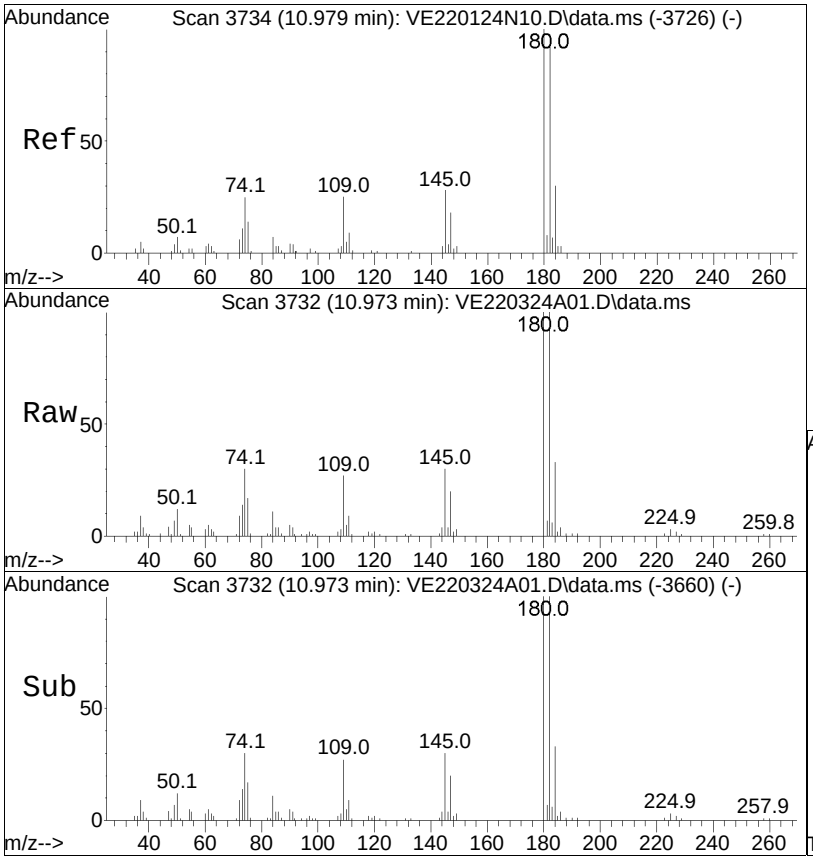


#108
Hexachlorobutadiene
Concen: 10.45 ug/L
RT: 10.960 min Scan# 3727
Delta R.T. -0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:225 Resp: 10010

Ion	Ratio	Lower	Upper
225	100		
223	59.6	54.3	81.5
227	65.6	52.4	78.6

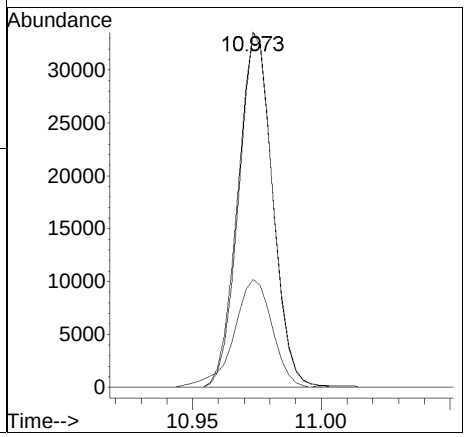


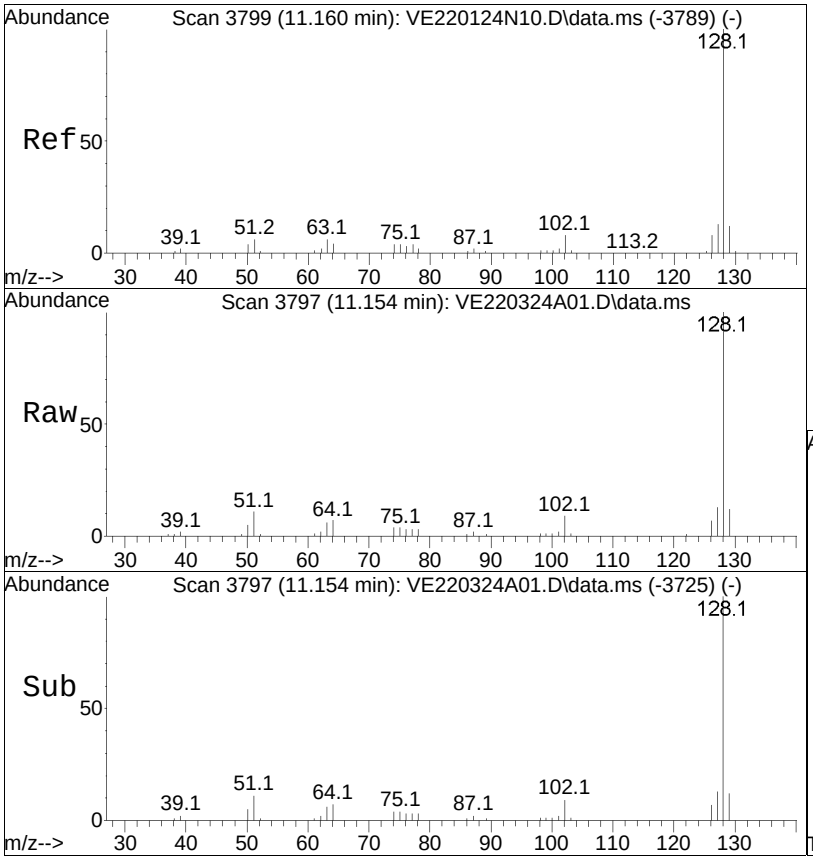


#109
1,2,4-Trichlorobenzene
Concen: 9.63 ug/L
RT: 10.973 min Scan# 3732
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:180 Resp: 31610

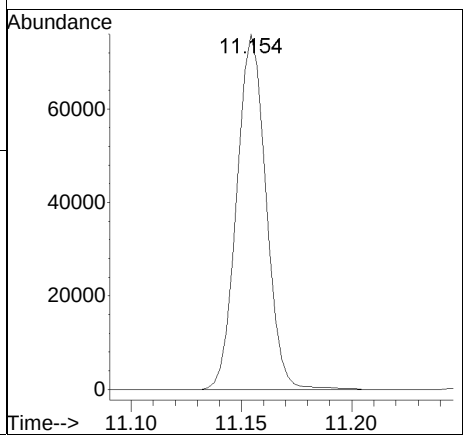
Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.3	115.9
145	33.5	28.1	42.1

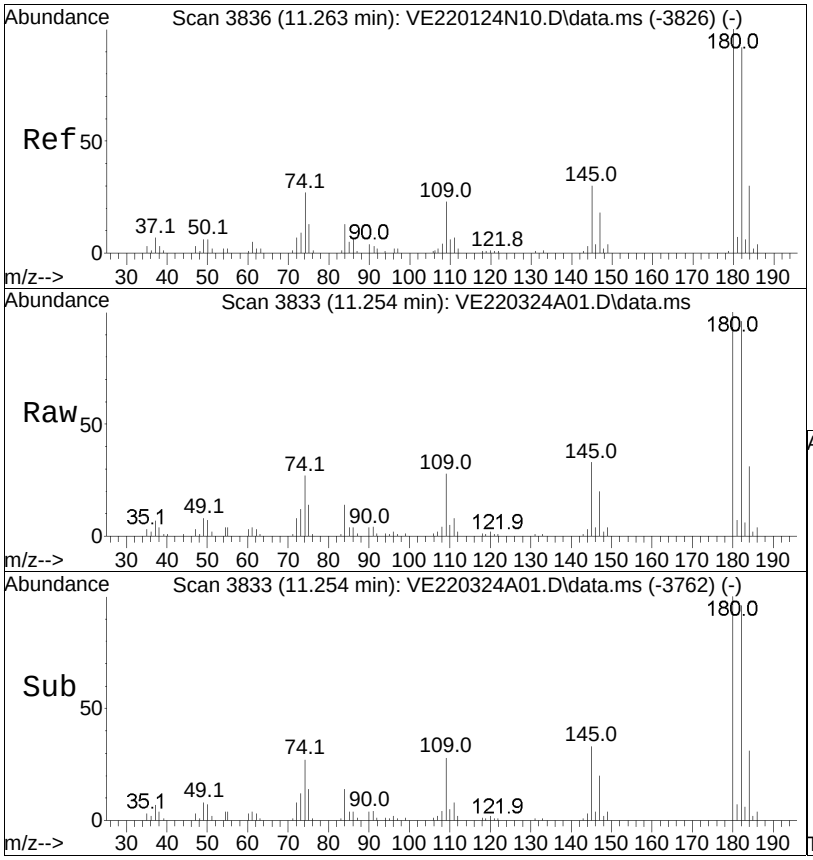




#110
Naphthalene
Concen: 8.27 ug/L
RT: 11.154 min Scan# 3797
Delta R.T. 0.000 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:128 Resp: 70040

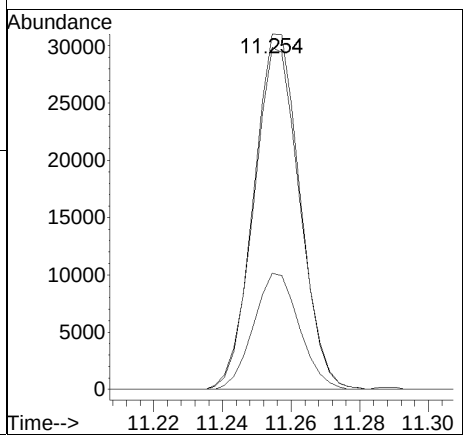




#111
1,2,3-Trichlorobenzene
Concen: 9.56 ug/L
RT: 11.254 min Scan# 3833
Delta R.T. -0.003 min
Lab File: VE220324A01.D
Acq: 24 Mar 2022 7:02 am

Tgt Ion:180 Resp: 28893

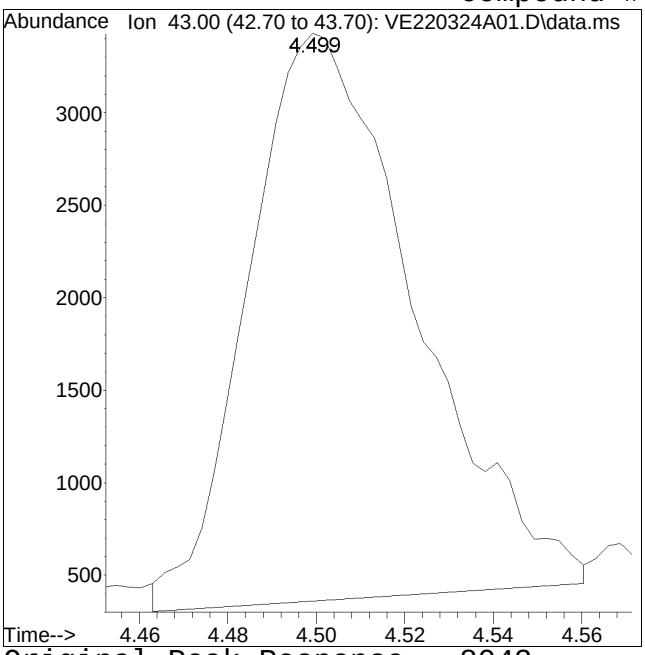
Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.4	114.6
145	32.4	26.4	39.6



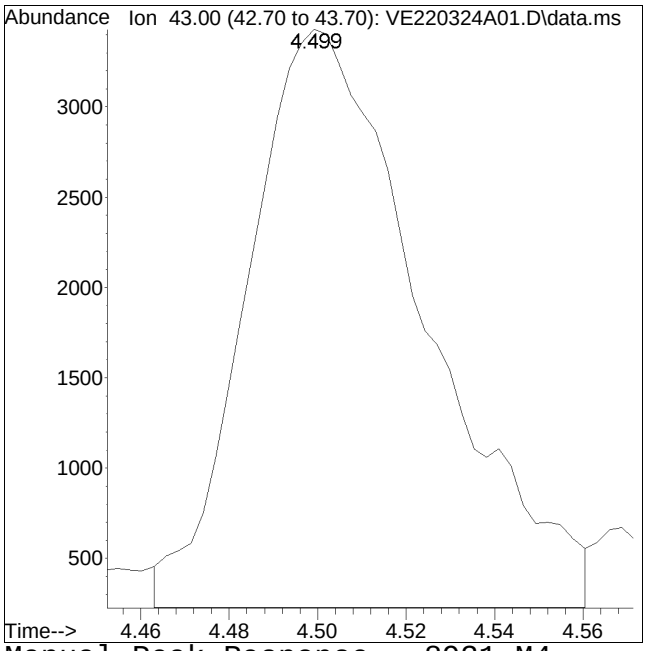
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220324A01.D Operator : ELAINE:PD
Date Inj'd : 3/24/2022 7:02 am Instrument : Elaine
Sample : WG1619786-3,31,10,10 Quant Date : 3/24/2022 7:24 am

Compound #39: 2-Butanone



Original Peak Response = 8043



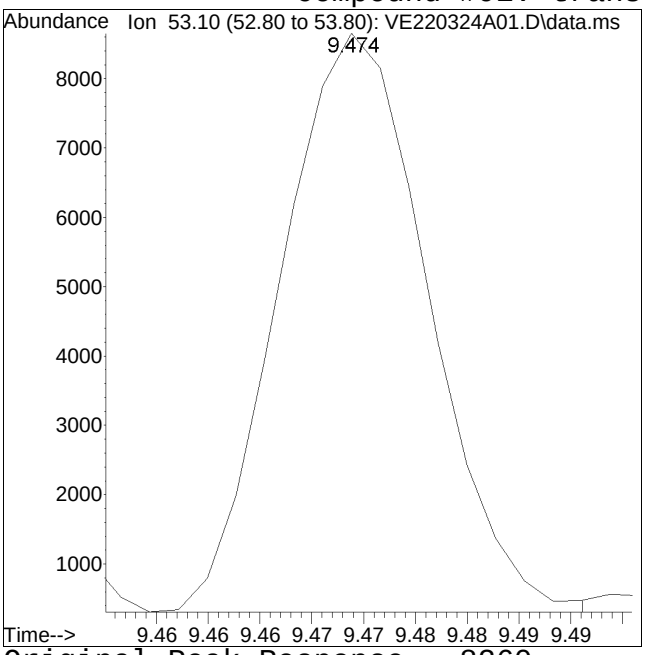
Manual Peak Response = 8931 M4

M4 = Poor automated baseline construction.

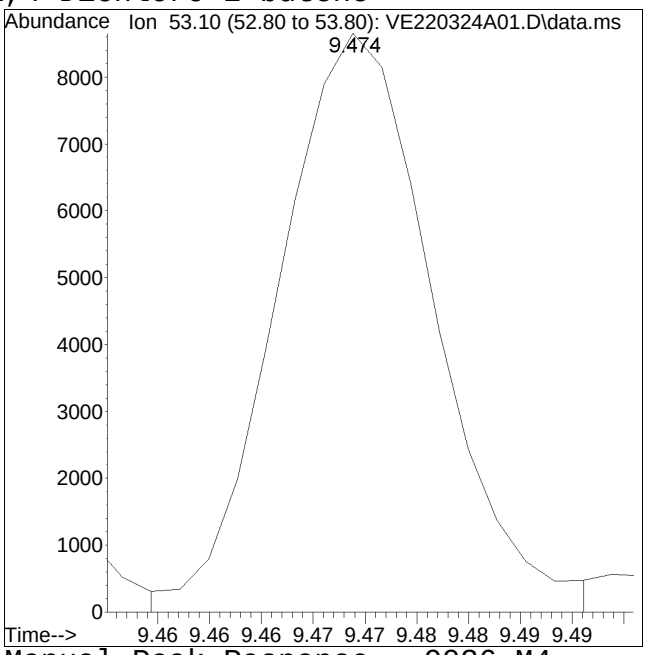
Manual Integration Report

Data Path : I:\VOLATILES\Elaine\2022\2QMethod : Elaine_220316N_8260.m
Data File : VE220324A01.D Operator : ELAINE:PD
Date Inj'd : 3/24/2022 7:02 am Instrument : Elaine
Sample : WG1619786-3,31,10,10 Quant Date : 3/24/2022 7:24 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 8260



Manual Peak Response = 9036 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A01.d
Acq On : 24 Mar 2022 7:04 am
Operator : VOA105:PD
Sample : WG1619815-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:30:07 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.860	96	325636	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.373	117	250615	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.106	152	144196	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	94072	11.090	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.90%			
43) 1,2-Dichloroethane-d4	5.587	65	126108	11.298	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.98%			
60) Toluene-d8	7.533	98	329348	10.064	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.64%			
83) 4-Bromofluorobenzene	10.881	95	128642	9.853	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.53%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.576	85	79661	11.344	ug/L #	96
3) Chloromethane	1.762	50	98910	8.089	ug/L	96
4) Vinyl chloride	1.840	62	92076	10.389	ug/L	93
5) Bromomethane	2.134	94	48777	11.164	ug/L	97
6) Chloroethane	2.251	64	57422	10.839	ug/L	93
7) Trichlorofluoromethane	2.378	101	142342	13.683	ug/L	95
8) Ethyl ether	2.662	74	27770	10.153	ug/L #	40
10) 1,1-Dichloroethene	2.848	96	72230	11.916	ug/L #	72
11) Carbon disulfide	2.877	76	172582	9.831	ug/L	100
15) Methylene chloride	3.396	84	77767	10.543	ug/L #	48
17) Acetone	3.454	43	12409	8.030	ug/L #	82
18) trans-1,2-Dichloroethene	3.542	96	80109	11.393	ug/L	78
20) Methyl tert-butyl ether	3.630	73	151976	10.744	ug/L #	82
23) 1,1-Dichloroethane	4.119	63	173603	10.693	ug/L	94
25) Acrylonitrile	4.178	53	19310	8.897	ug/L	89
27) Vinyl acetate	4.354	43	148463	8.989	ug/L #	91
28) cis-1,2-Dichloroethene	4.628	96	88698	11.044	ug/L #	80
29) 2,2-Dichloropropane	4.716	77	143925	13.704	ug/L	85
30) Bromochloromethane	4.824	128	40463	11.649	ug/L #	66
32) Chloroform	4.892	83	164753	12.094	ug/L #	93
34) Carbon tetrachloride	5.009	117	136619	13.266	ug/L	99
37) 1,1,1-Trichloroethane	5.078	97	151160	12.890	ug/L	95
39) 2-Butanone	5.186	43	20823	8.143	ug/L #	67
40) 1,1-Dichloropropene	5.195	75	115756	11.583	ug/L	99

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A01.d
Acq On : 24 Mar 2022 7:04 am
Operator : VOA105:PD
Sample : WG1619815-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:30:07 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Benzene	5.440	78	304362	10.492	ug/L	#	84
44) 1,2-Dichloroethane	5.655	62	130864	11.489	ug/L		98
48) Trichloroethene	6.036	95	85896	10.295	ug/L		95
50) Dibromomethane	6.477	93	42514	11.088	ug/L		94
51) 1,2-Dichloropropane	6.574	63	93597	10.287	ug/L	#	89
54) Bromodichloromethane	6.653	83	122166	12.521	ug/L		99
57) 1,4-Dioxane	6.868	88	13908	463.115	ug/L	#	54
58) cis-1,3-Dichloropropene	7.337	75	123014	10.427	ug/L	#	84
61) Toluene	7.592	92	209348	11.106	ug/L		100
62) 4-Methyl-2-pentanone	8.032	58	19048	9.075	ug/L	#	84
63) Tetrachloroethene	8.032	166	100992	12.057	ug/L		95
65) trans-1,3-Dichloropropene	8.090	75	105269	11.479	ug/L		82
68) 1,1,2-Trichloroethane	8.266	83	47319	10.566	ug/L		98
69) Chlorodibromomethane	8.482	129	83107	12.259	ug/L		98
70) 1,3-Dichloropropane	8.589	76	116141	10.927	ug/L		99
71) 1,2-Dibromoethane	8.756	107	65855	10.721	ug/L		98
72) 2-Hexanone	9.040	43	32377	8.619	ug/L		97
73) Chlorobenzene	9.392	112	244264	11.652	ug/L		94
74) Ethylbenzene	9.422	91	435081	11.633	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.480	131	91030	12.570	ug/L		100
76) p/m Xylene	9.608	106	330310	23.697	ug/L		94
77) o Xylene	10.156	106	315690	23.717	ug/L		94
78) Styrene	10.225	104	509135	23.404	ug/L		98
80) Bromoform	10.264	173	45097	11.021	ug/L		99
82) Isopropylbenzene	10.548	105	460702	11.460	ug/L		99
84) Bromobenzene	10.999	156	103856	11.602	ug/L		98
85) n-Propylbenzene	11.038	91	531194	11.531	ug/L		97
87) 1,1,2,2-Tetrachloroethane	11.146	83	60880	9.744	ug/L		99
88) 4-Ethyltoluene	11.165	105	456475	11.909	ug/L		99
89) 2-Chlorotoluene	11.205	91	326785M6	11.659	ug/L		
90) 1,3,5-Trimethylbenzene	11.263	105	389292	11.613	ug/L		98
91) 1,2,3-Trichloropropane	11.283	75	54674M1	9.958	ug/L		
92) trans-1,4-Dichloro-2-b...	11.332	53	23625	9.828	ug/L	#	85
93) 4-Chlorotoluene	11.391	91	341462	11.695	ug/L		98
94) tert-Butylbenzene	11.606	119	335464	11.634	ug/L		92
97) 1,2,4-Trimethylbenzene	11.685	105	385791	11.803	ug/L		100
98) sec-Butylbenzene	11.792	105	478265	11.638	ug/L		100
99) p-Isopropyltoluene	11.949	119	424260	11.973	ug/L		98
100) 1,3-Dichlorobenzene	12.027	146	202861	11.609	ug/L		99
101) 1,4-Dichlorobenzene	12.125	146	209151	11.817	ug/L		98

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A01.d
Acq On : 24 Mar 2022 7:04 am
Operator : VOA105:PD
Sample : WG1619815-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:30:07 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) p-Diethylbenzene	12.331	119	245403	12.227	ug/L	97
103) n-Butylbenzene	12.390	91	341778	11.720	ug/L	98
104) 1,2-Dichlorobenzene	12.547	146	181327	11.507	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.125	119	354239	12.083	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.330	155	9304	9.553	ug/L	99
108) Hexachlorobutadiene	13.928	225	55090	12.233	ug/L	98
109) 1,2,4-Trichlorobenzene	13.957	180	102897	11.291	ug/L	96
110) Naphthalene	14.251	128	179209	10.305	ug/L	100
111) 1,2,3-Trichlorobenzene	14.418	180	82933	10.969	ug/L	99

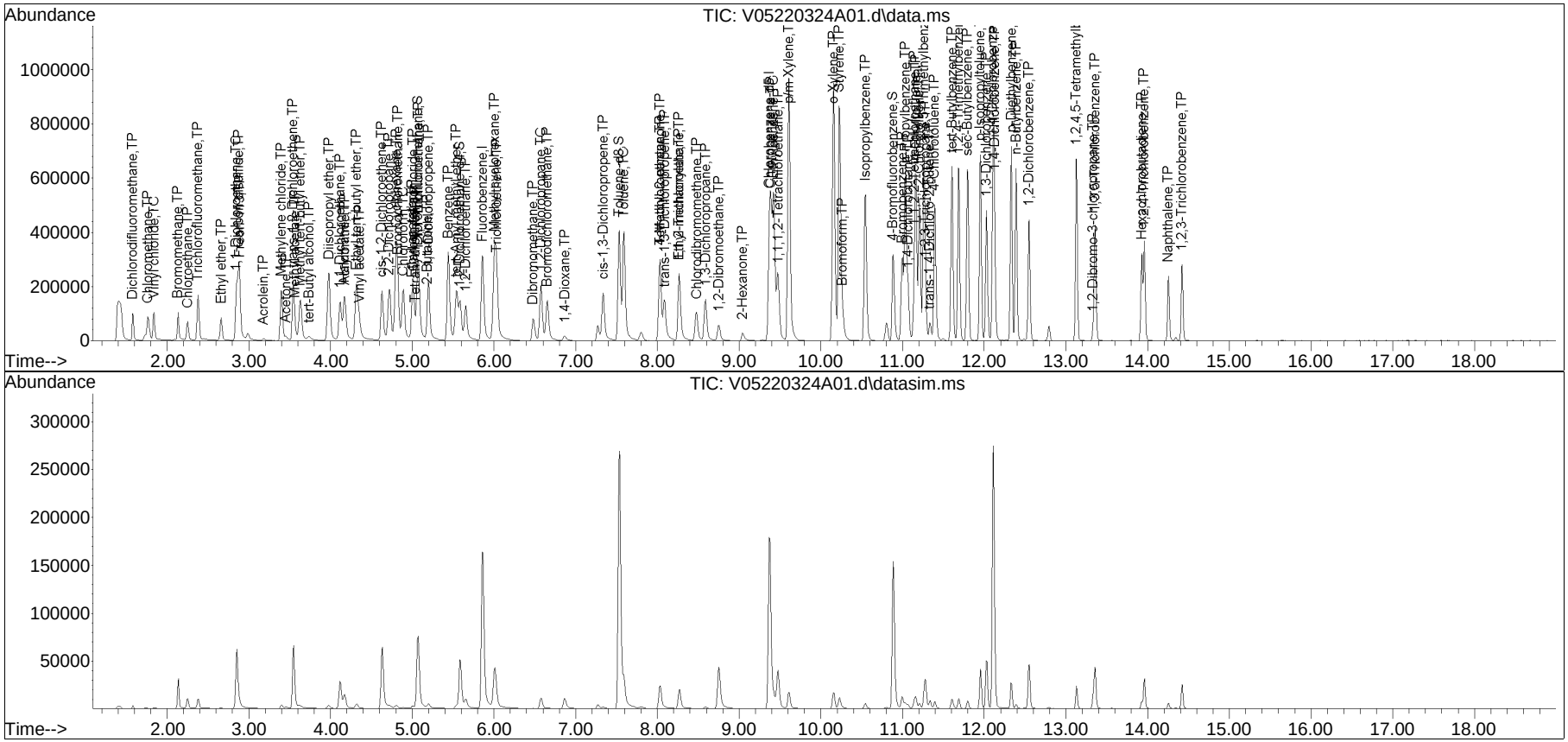
(#) = qualifier out of range (m) = manual integration (+) = signals summed

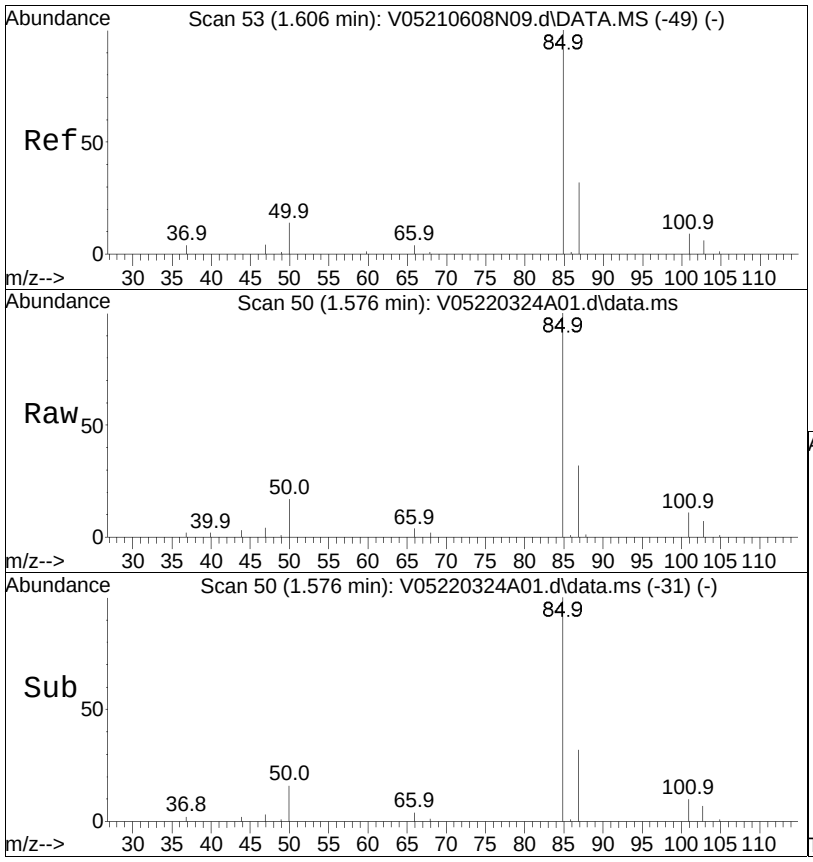
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A01.d
Acq On : 24 Mar 2022 7:04 am
Operator : VOA105:PD
Sample : WG1619815-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 07:30:07 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

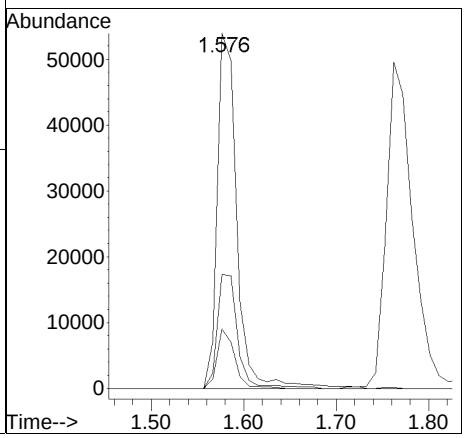


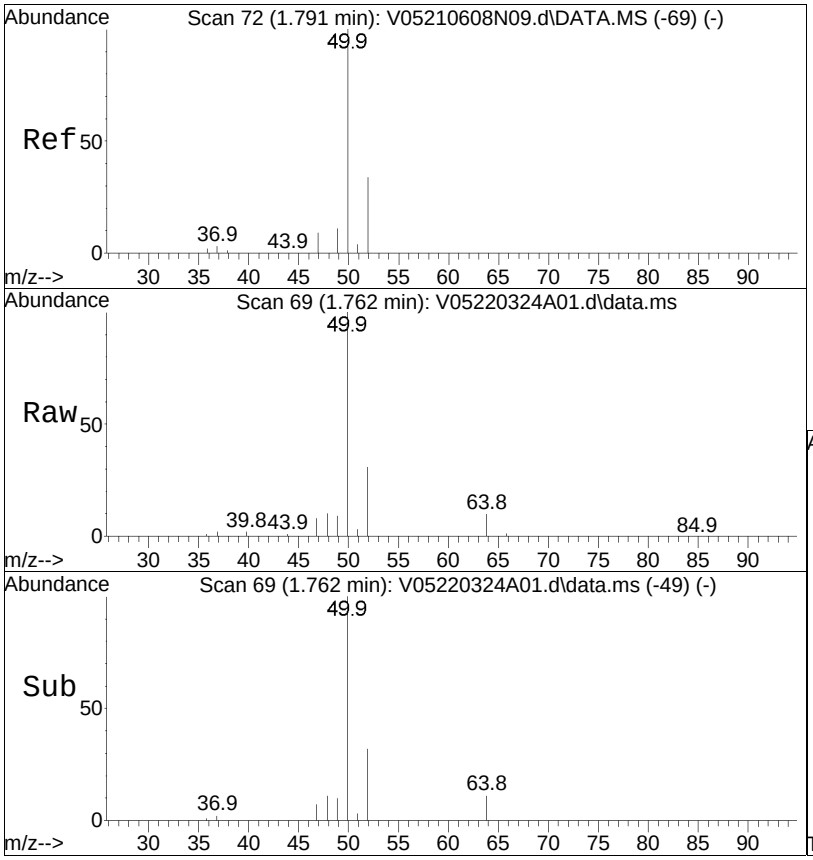


#2
Dichlorodifluoromethane
Concen: 11.34 ug/L
RT: 1.576 min Scan# 50
Delta R.T. -0.010 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 85 Resp: 79661

Ion	Ratio	Lower	Upper
85	100		
87	33.2	20.9	43.5
50	15.0	6.8	14.0#

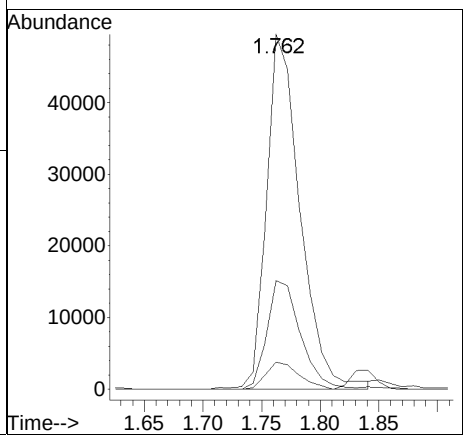


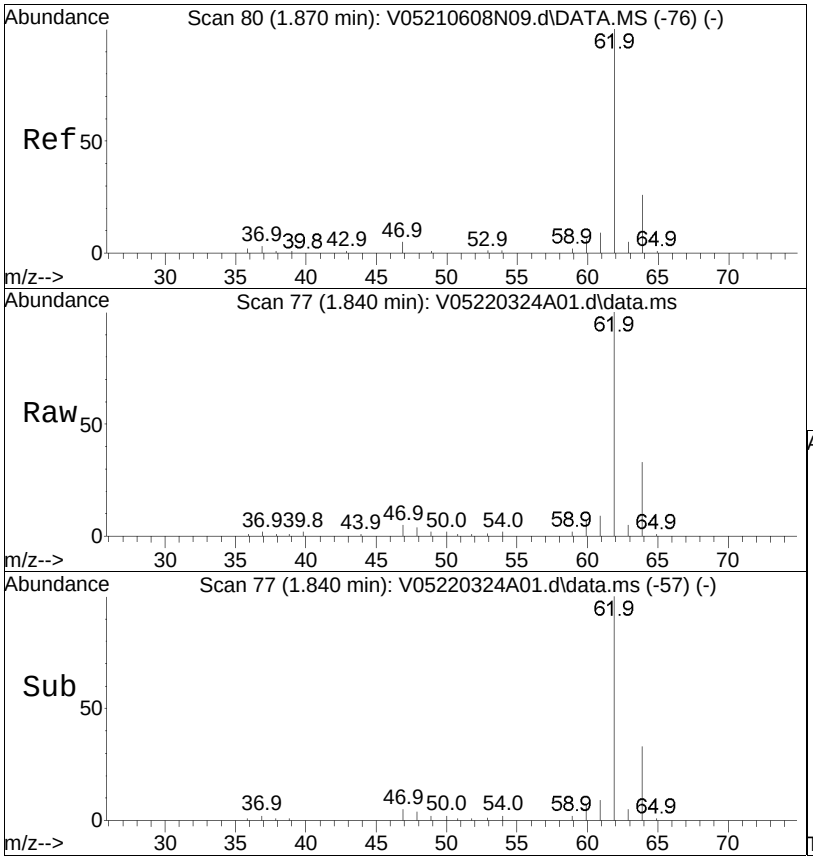


#3
Chloromethane
Concen: 8.09 ug/L
RT: 1.762 min Scan# 69
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 50 Resp: 98910

Ion	Ratio	Lower	Upper
50	100		
52	30.6	12.6	52.6
47	7.7	0.0	30.1

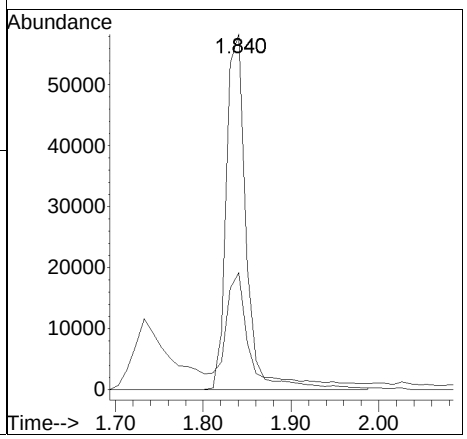


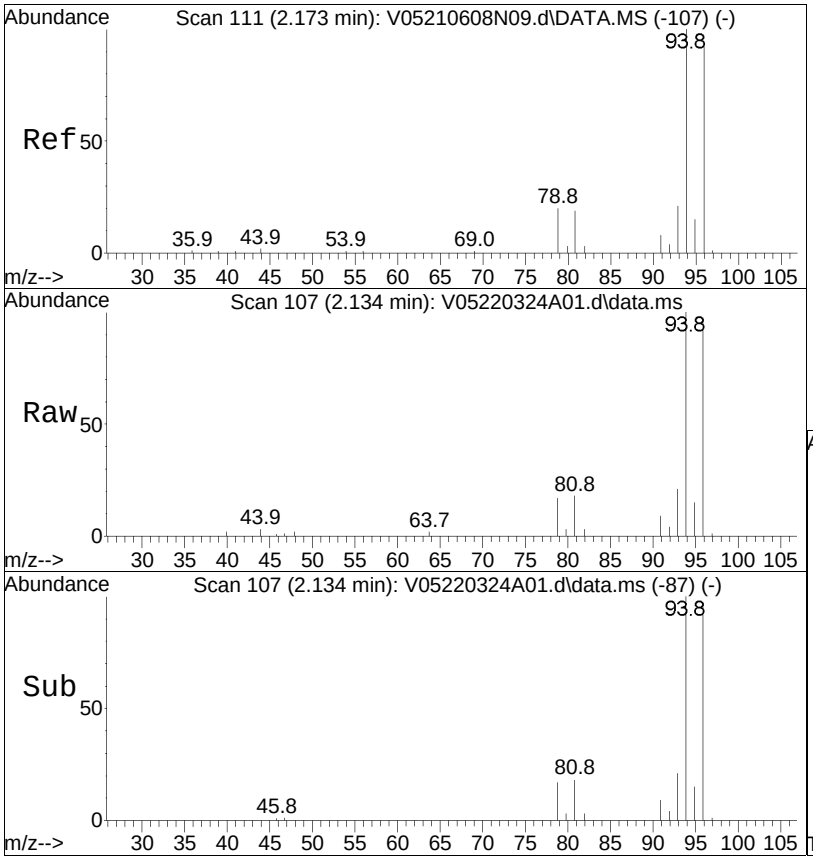


#4
Vinyl chloride
Concen: 10.39 ug/L
RT: 1.840 min Scan# 77
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 62 Resp: 92076

Ion	Ratio	Lower	Upper
62	100		
64	37.6	13.5	53.5

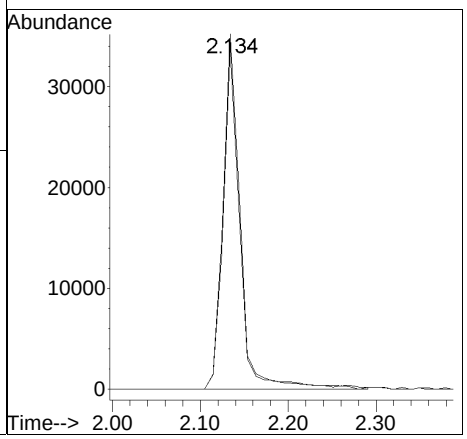


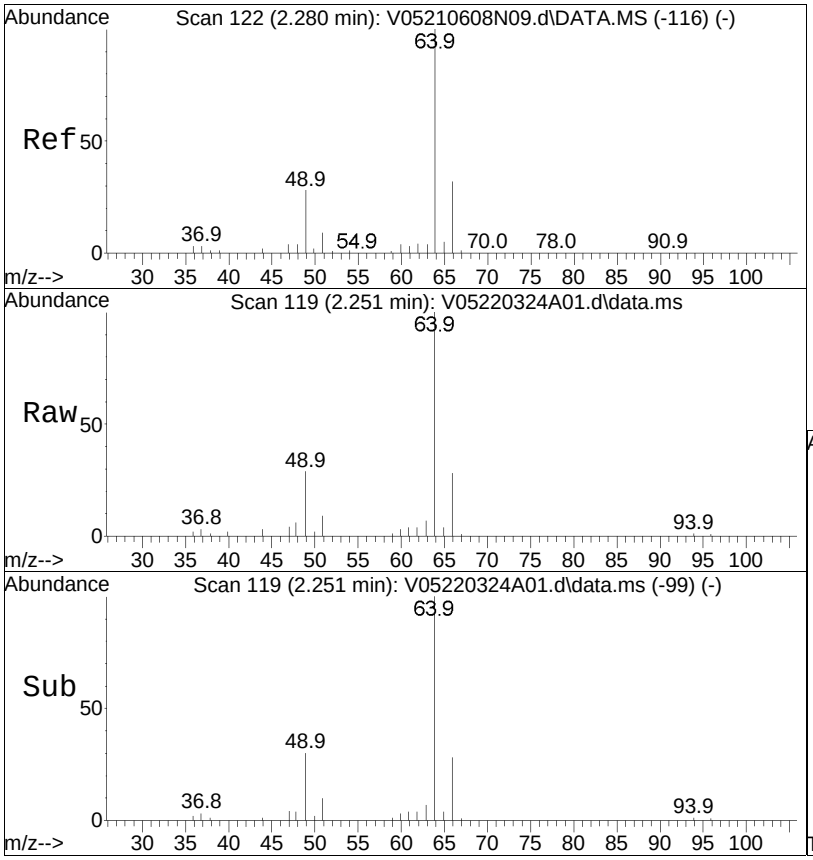


#5
Bromomethane
Concen: 11.16 ug/L
RT: 2.134 min Scan# 107
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 94 Resp: 48777

Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.4	115.4

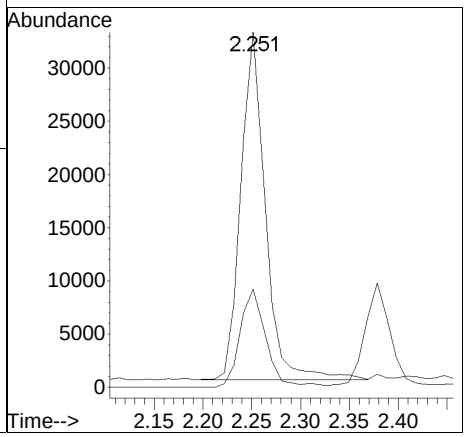


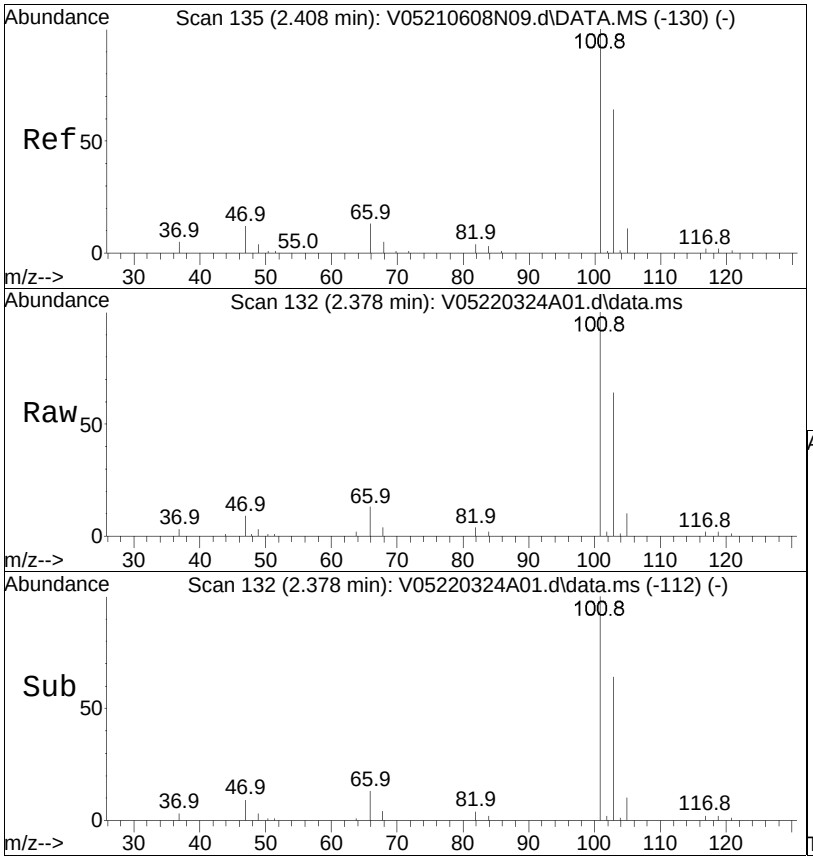


#6
Chloroethane
Concen: 10.84 ug/L
RT: 2.251 min Scan# 119
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 64 Resp: 57422

Ion	Ratio	Lower	Upper
64	100		
66	29.8	13.8	53.8

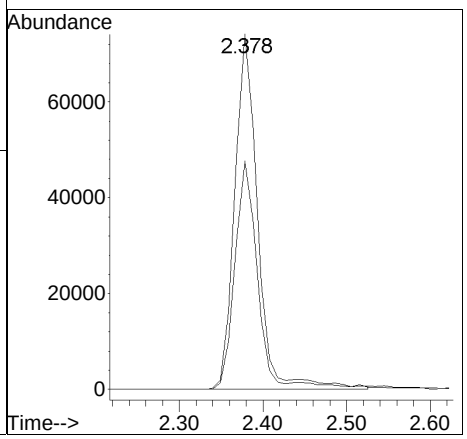


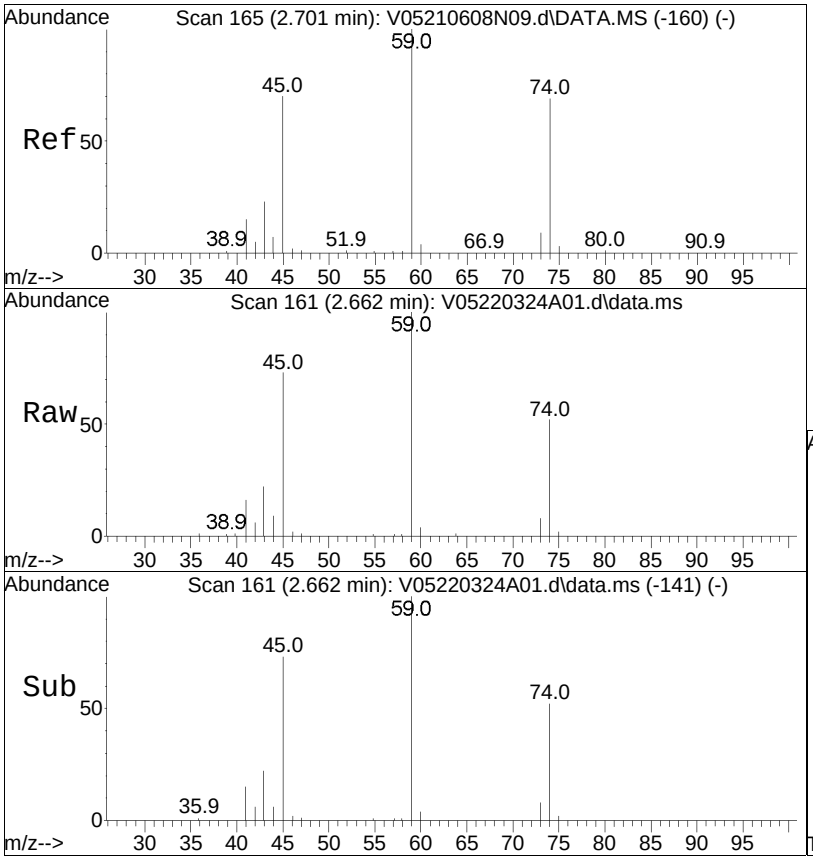


#7
Trichlorofluoromethane
Concen: 13.68 ug/L
RT: 2.378 min Scan# 132
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:101 Resp: 142342

Ion	Ratio	Lower	Upper
101	100		
103	60.5	51.8	77.6

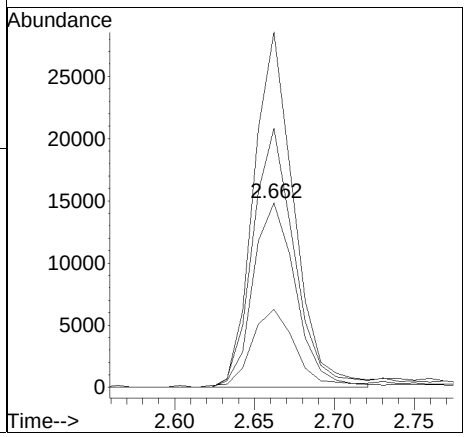


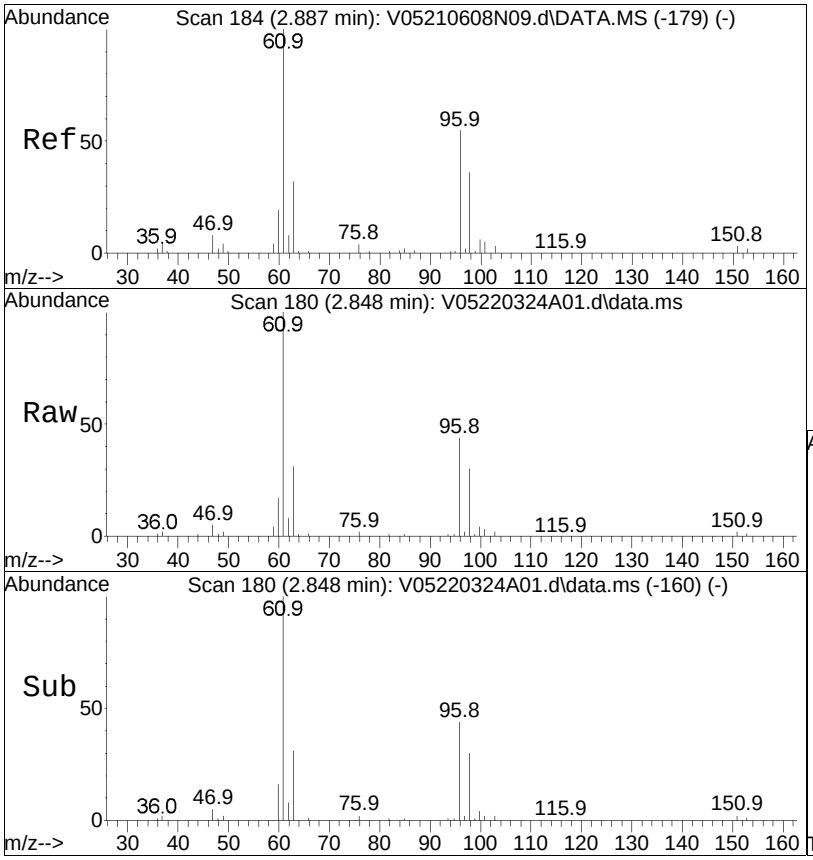


#8
Ethyl ether
Concen: 10.15 ug/L
RT: 2.662 min Scan# 161
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 74 Resp: 27770

Ion	Ratio	Lower	Upper
74	100		
59	180.8	78.6	163.2#
45	145.0	49.8	103.4#
43	44.7	18.0	37.4#

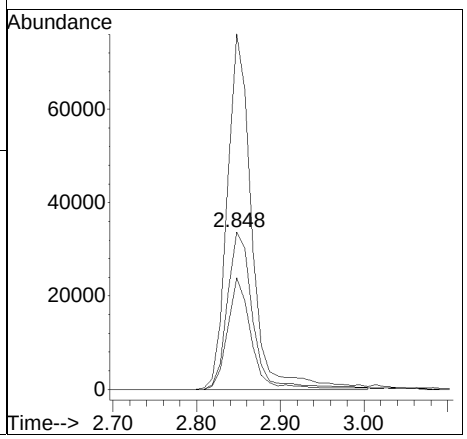


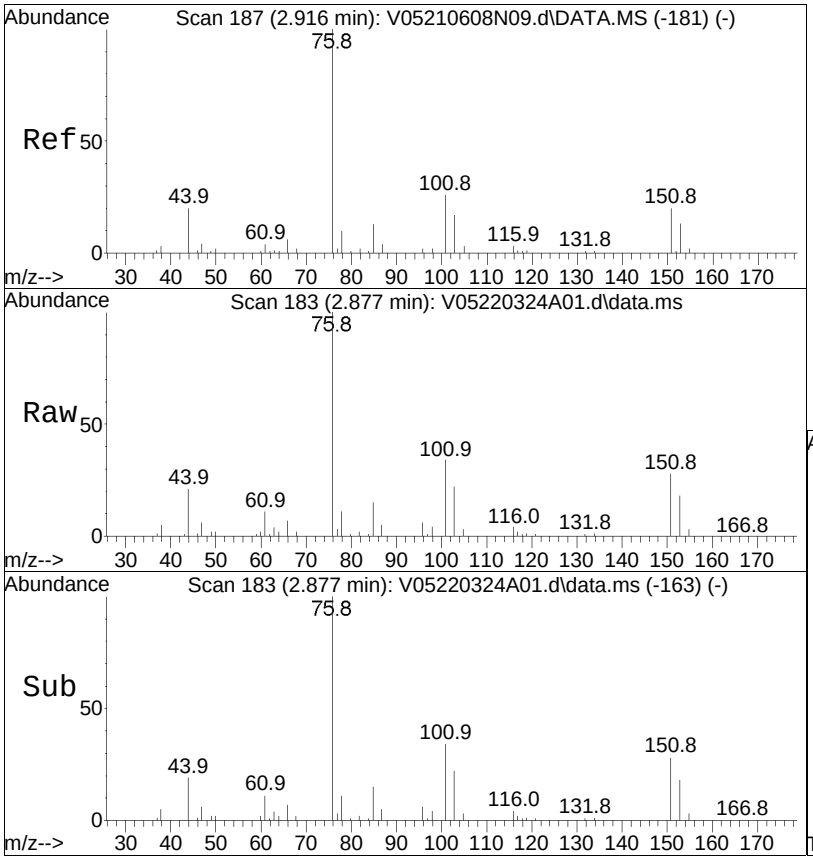


#10
1,1-Dichloroethene
Concen: 11.92 ug/L
RT: 2.848 min Scan# 180
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 96 Resp: 72230

Ion	Ratio	Lower	Upper
96	100		
61	216.8	136.7	205.1#
63	66.1	45.0	67.6

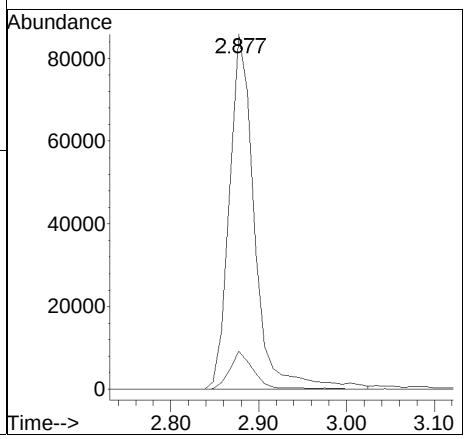


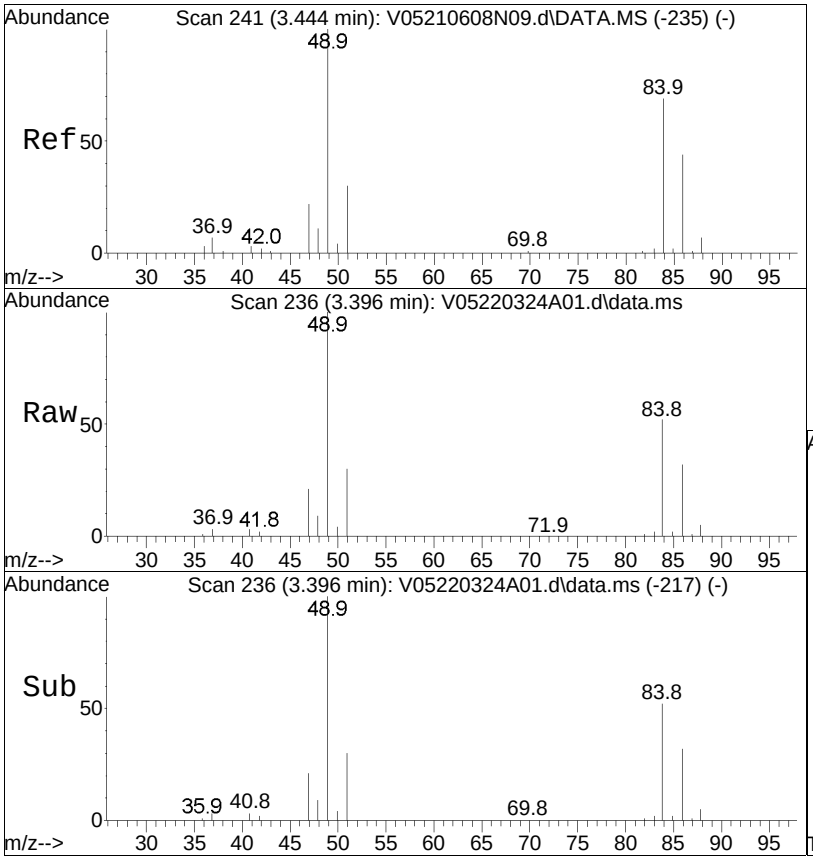


#11
Carbon disulfide
Concen: 9.83 ug/L
RT: 2.877 min Scan# 183
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 76 Resp: 172582

Ion	Ratio	Lower	Upper
76	100		
78	10.2	6.7	13.9

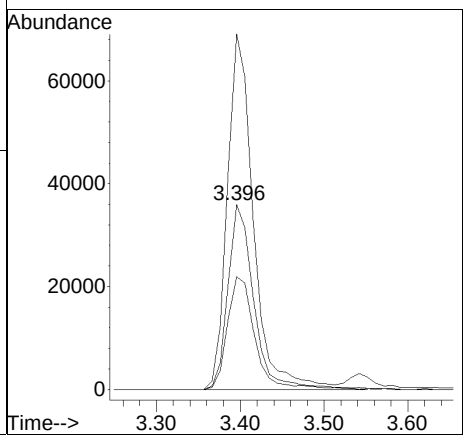


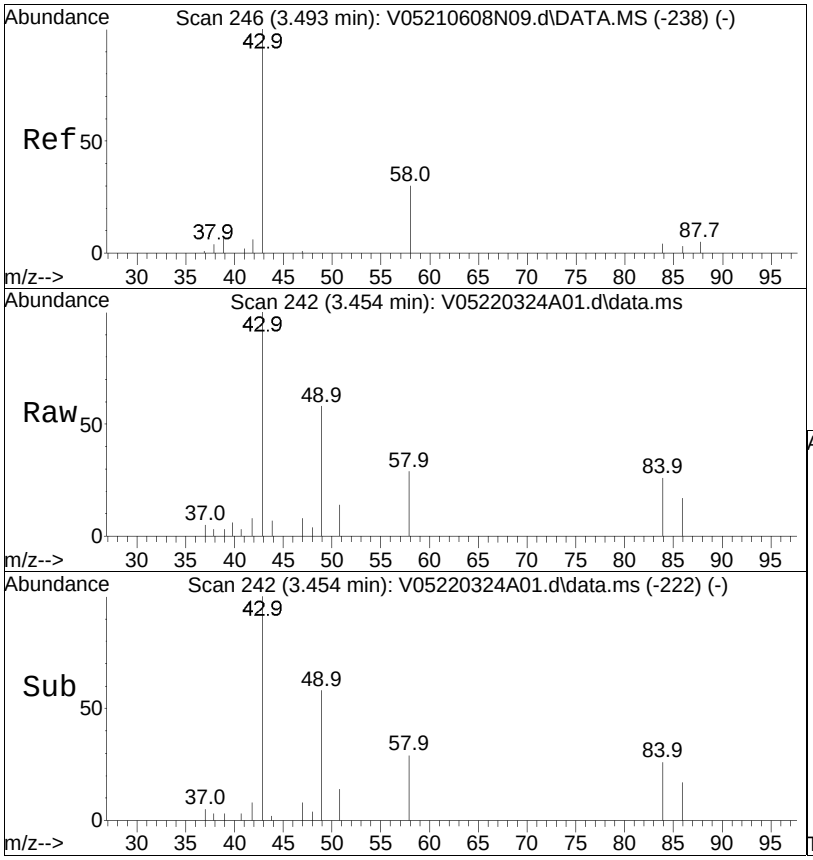


#15
Methylene chloride
Concen: 10.54 ug/L
RT: 3.396 min Scan# 236
Delta R.T. -0.009 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 84 Resp: 77767

Ion	Ratio	Lower	Upper
84	100		
86	64.3	42.1	87.5
49	192.8	69.3	143.9#

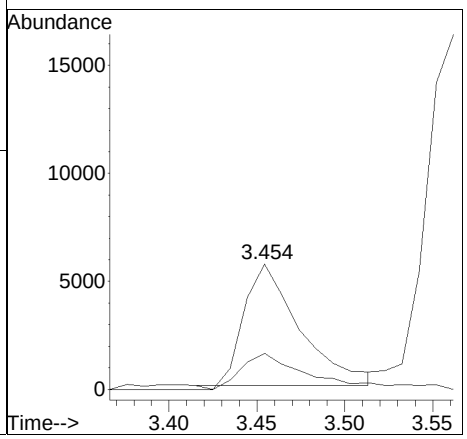


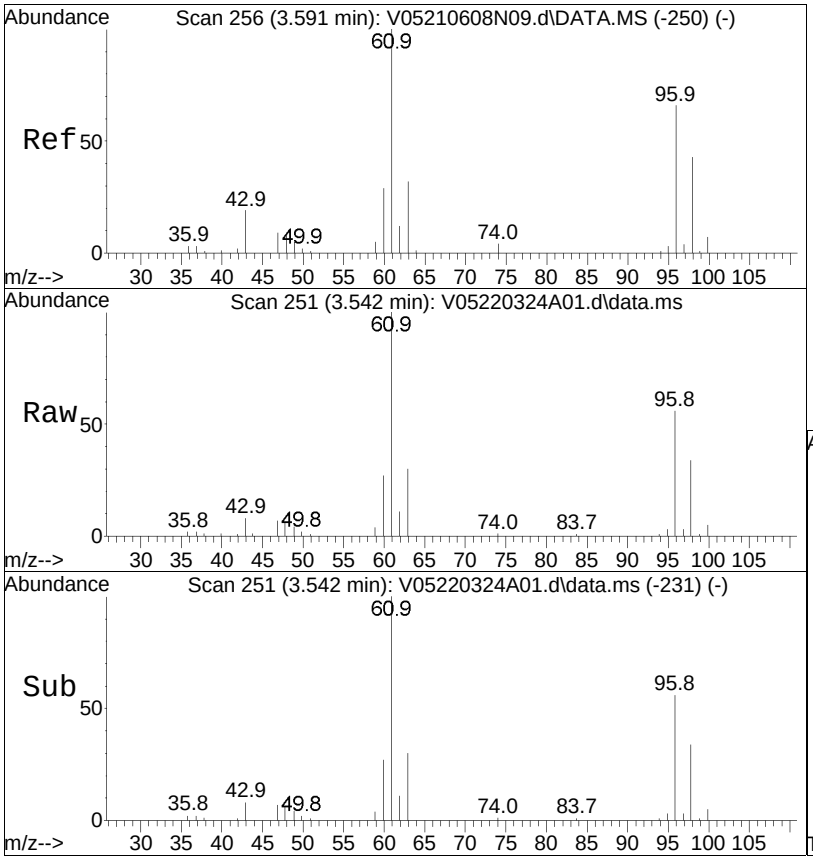


#17
Acetone
Concen: 8.03 ug/L
RT: 3.454 min Scan# 242
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 43 Resp: 12409

Ion	Ratio	Lower	Upper
43	100		
58	37.1	22.0	33.0#

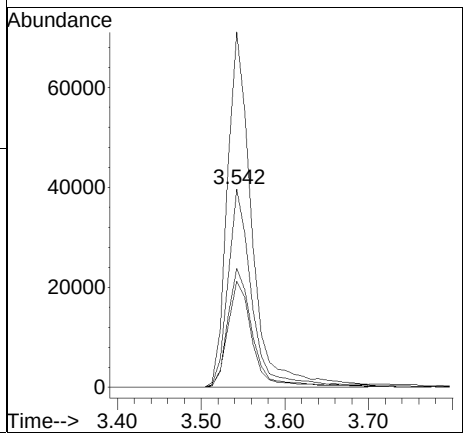


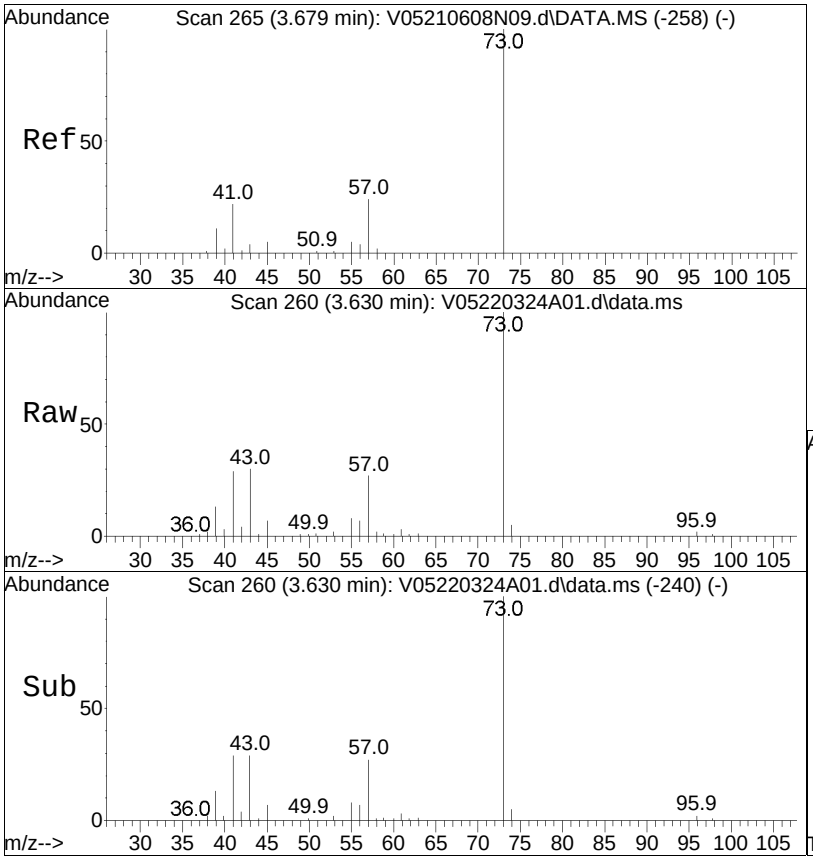


#18
trans-1,2-Dichloroethene
Concen: 11.39 ug/L
RT: 3.542 min Scan# 251
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 96 Resp: 80109

Ion	Ratio	Lower	Upper
96	100		
61	183.0	91.7	190.5
98	62.6	41.1	85.5
63	55.4	29.4	61.0

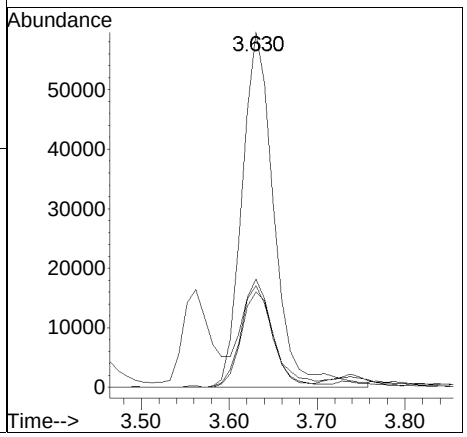


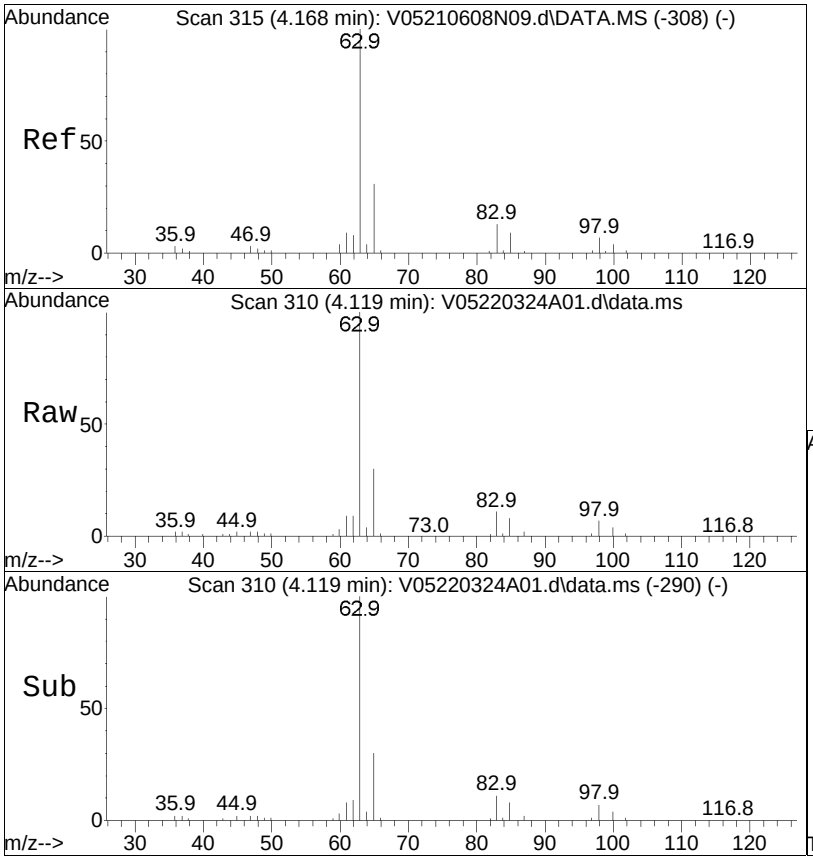


#20
Methyl tert-butyl ether
Concen: 10.74 ug/L
RT: 3.630 min Scan# 260
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 73 Resp: 151976

Ion	Ratio	Lower	Upper
73	100		
57	27.1	11.8	24.6#
43	28.5	13.5	27.9#
41	28.4	13.3	27.5#

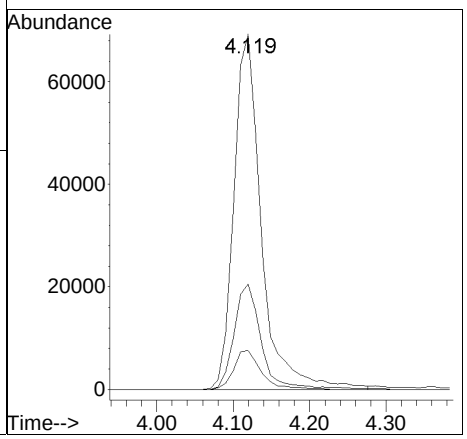


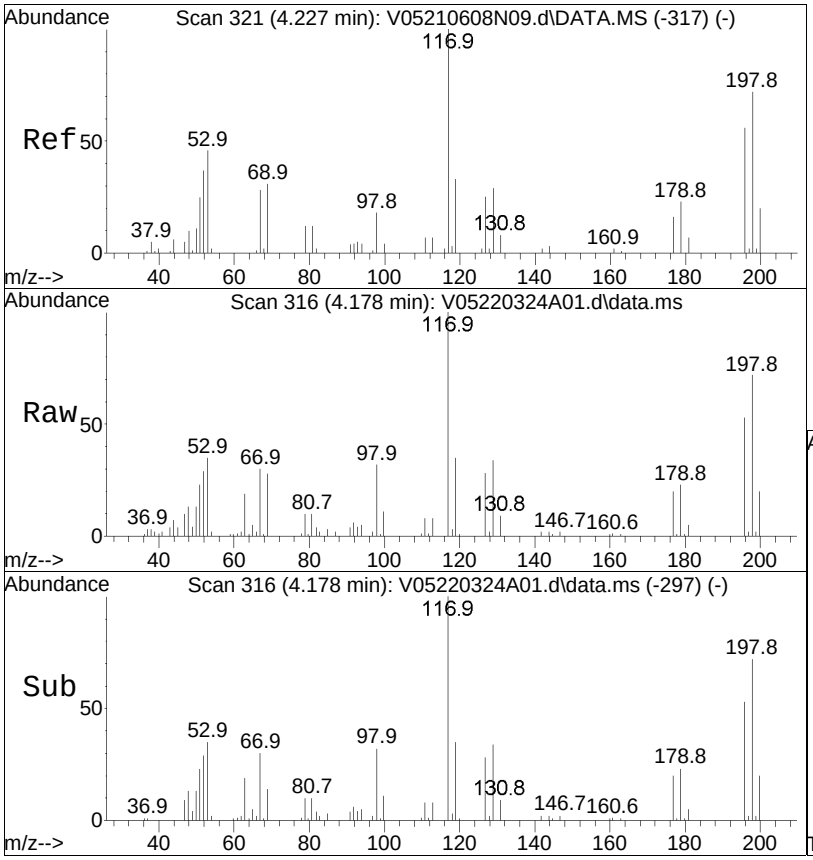


#23
1,1-Dichloroethane
Concen: 10.69 ug/L
RT: 4.119 min Scan# 310
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 63 Resp: 173603

Ion	Ratio	Lower	Upper
63	100		
65	29.2	11.9	51.9
83	11.0	0.0	34.2

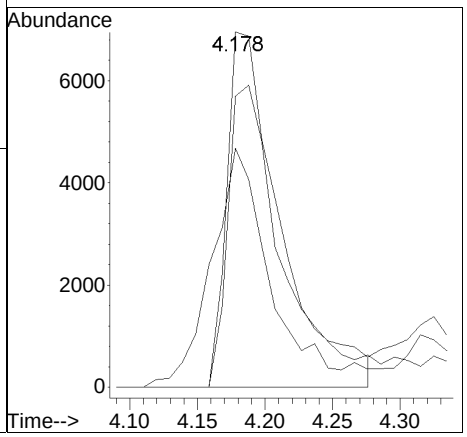


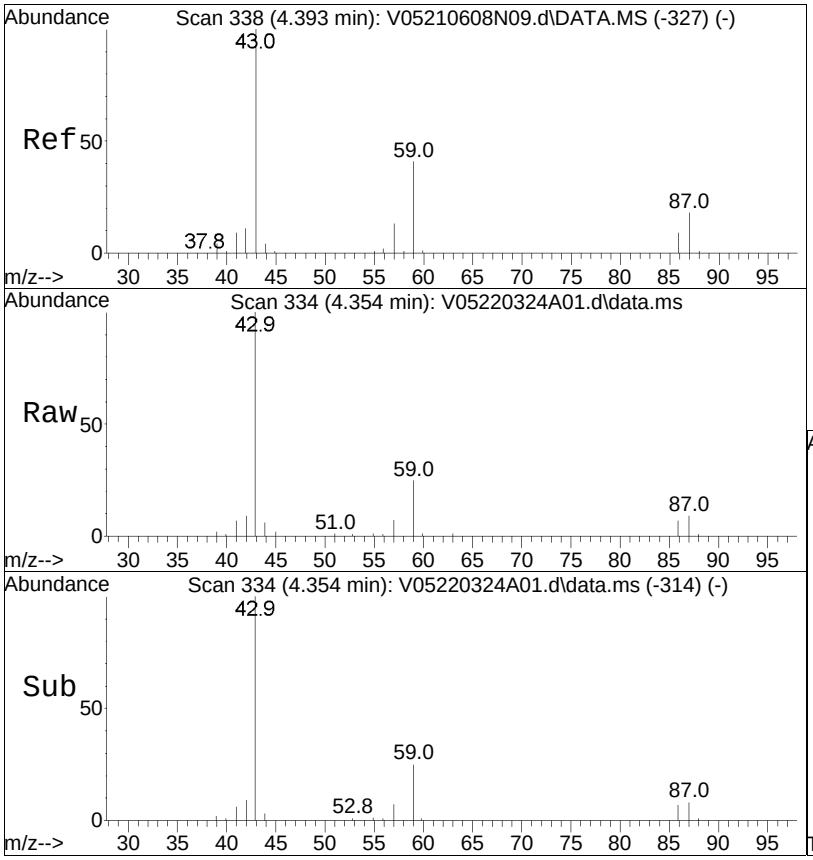


#25
Acrylonitrile
Concen: 8.90 ug/L
RT: 4.178 min Scan# 316
Delta R.T. -0.010 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 53 Resp: 19310

Ion	Ratio	Lower	Upper
53	100		
52	91.8	68.9	103.3
51	72.5	70.1	105.1

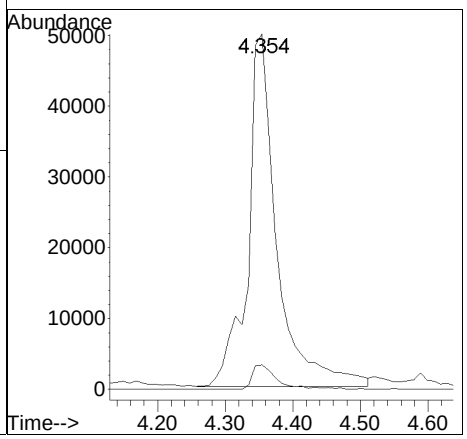


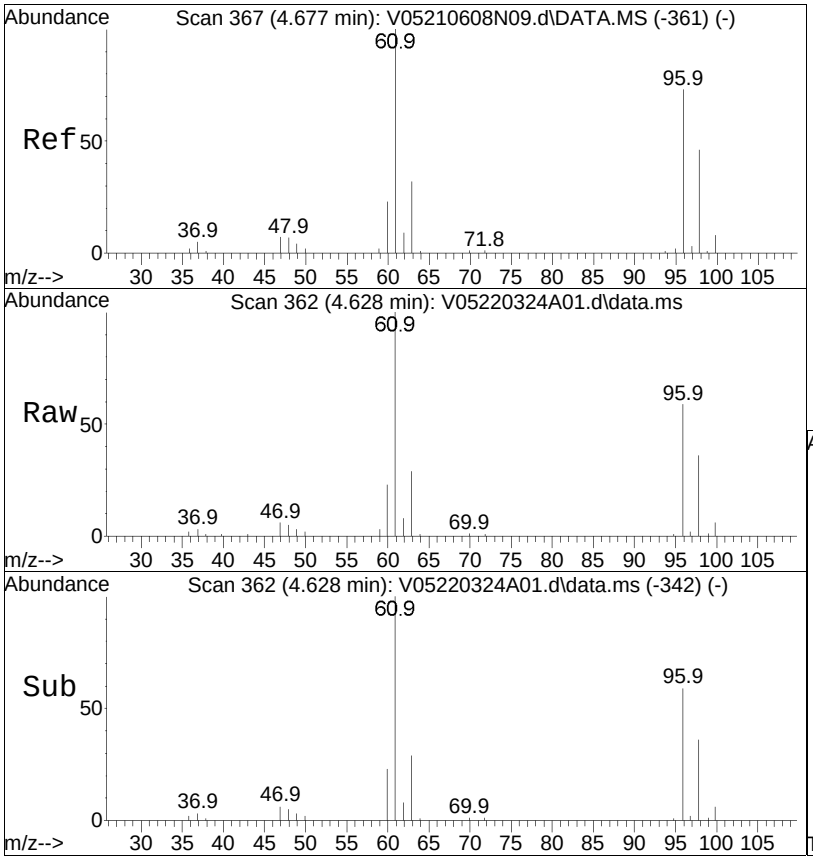


#27
Vinyl acetate
Concen: 8.99 ug/L
RT: 4.354 min Scan# 334
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 43 Resp: 148463

Ion	Ratio	Lower	Upper
43	100		
86	6.1	7.7	11.5#

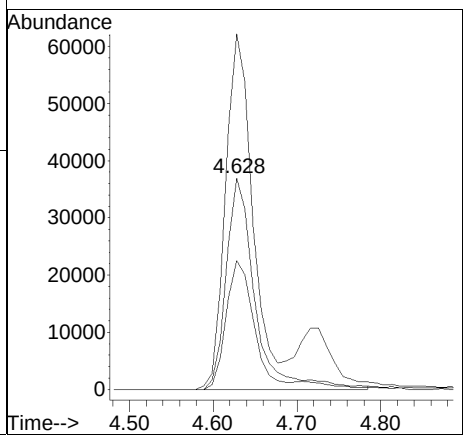


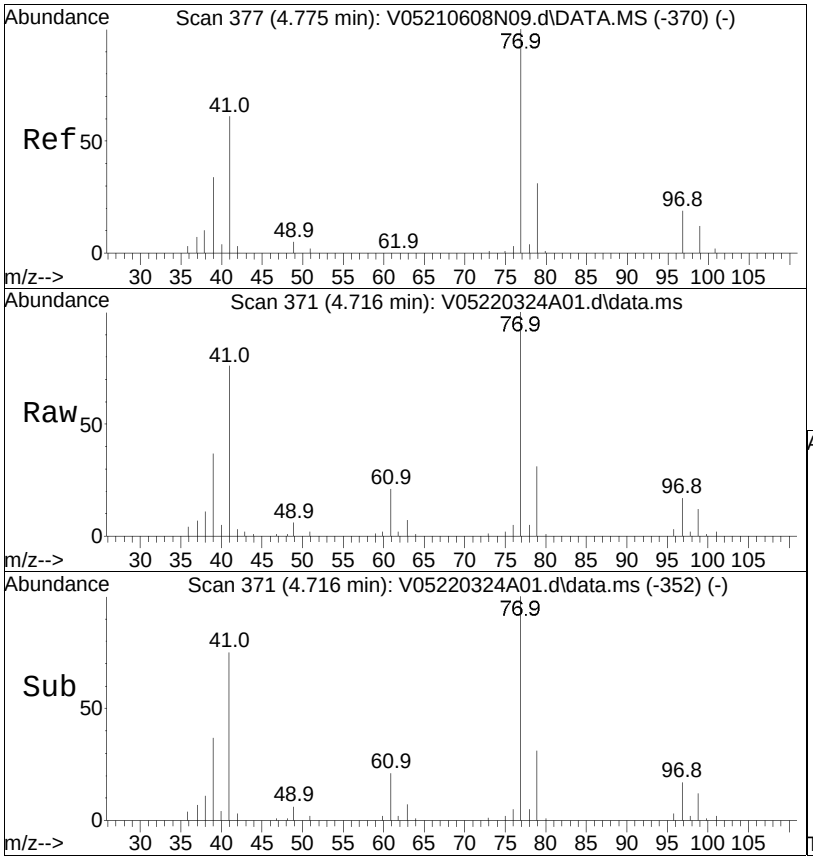


#28
cis-1,2-Dichloroethene
Concen: 11.04 ug/L
RT: 4.628 min Scan# 362
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 96 Resp: 88698

Ion	Ratio	Lower	Upper
96	100		
61	156.8	100.5	150.7#
98	59.0	49.8	74.8

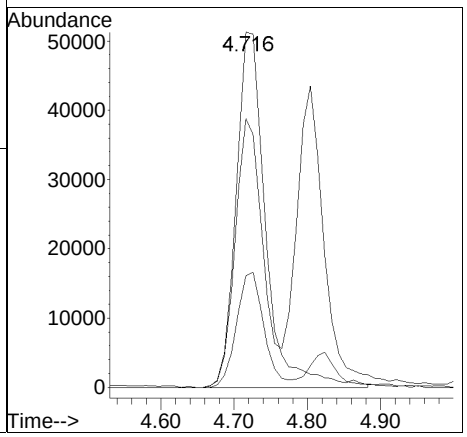


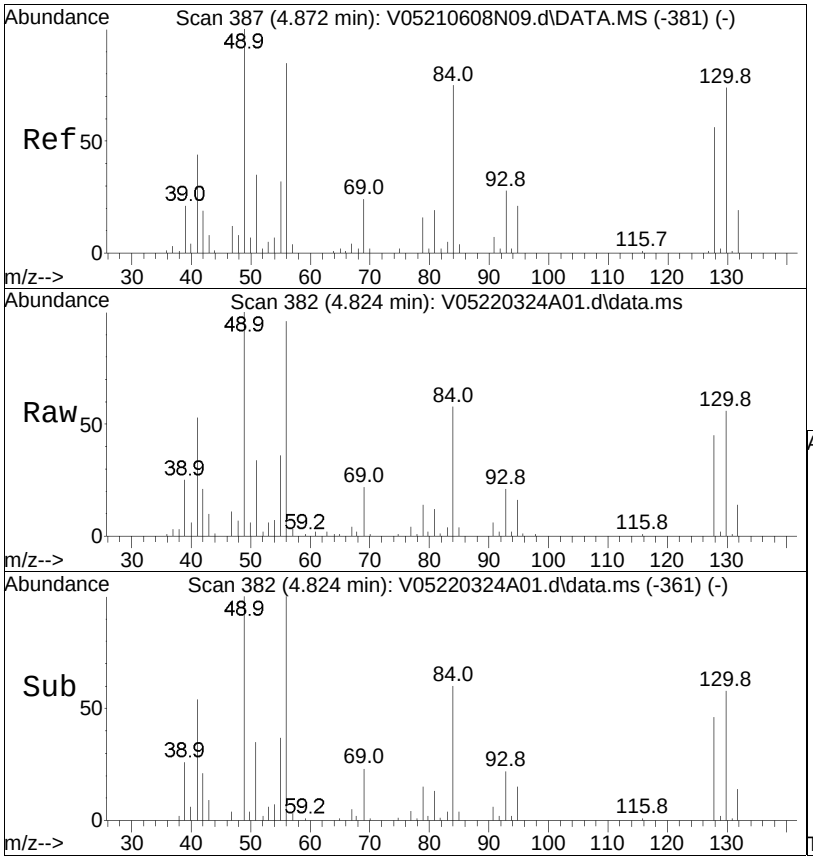


#29
2,2-Dichloropropane
Concen: 13.70 ug/L
RT: 4.716 min Scan# 371
Delta R.T. -0.010 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 77 Resp: 143925

Ion	Ratio	Lower	Upper
77	100		
41	70.9	35.7	74.1
79	30.2	20.6	42.8

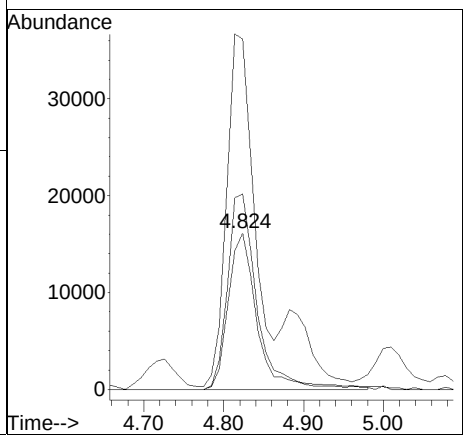


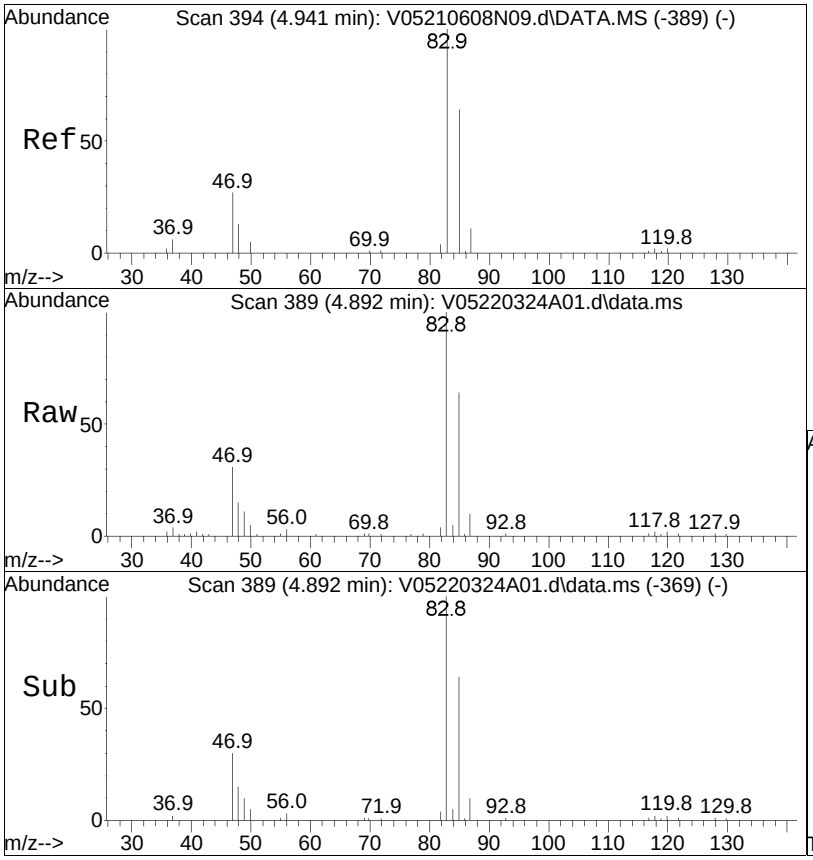


#30
Bromochloromethane
Concen: 11.65 ug/L
RT: 4.824 min Scan# 382
Delta R.T. 0.001 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:128 Resp: 40463

Ion	Ratio	Lower	Upper
128	100		
49	213.3	109.0	163.4#
130	128.7	105.6	158.4

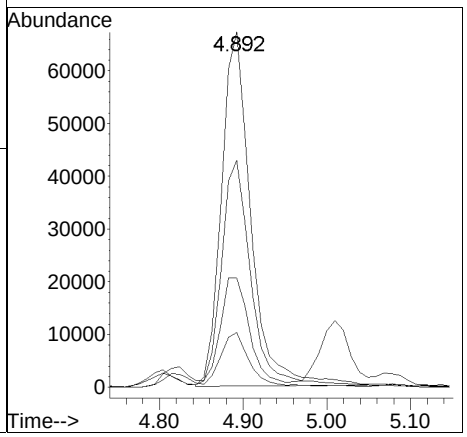


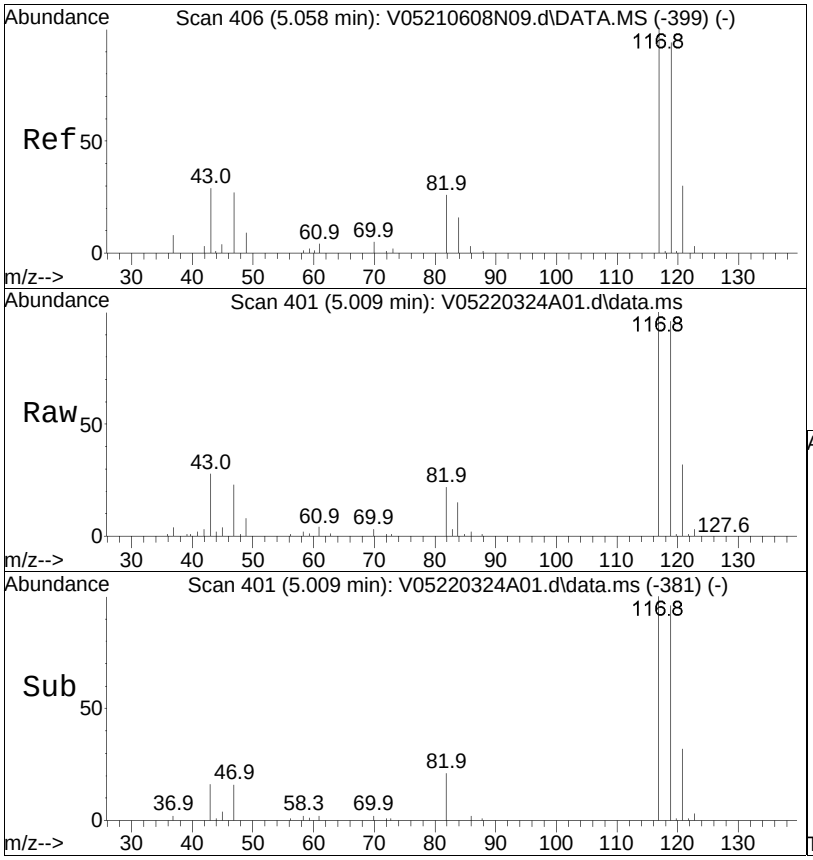


#32
Chloroform
Concen: 12.09 ug/L
RT: 4.892 min Scan# 389
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 83 Resp: 164753

Ion	Ratio	Lower	Upper
83	100		
85	63.5	42.8	89.0
47	28.8	13.7	28.4#
48	15.2	6.9	14.3#

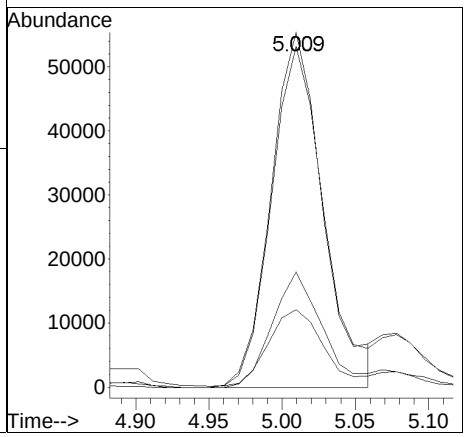


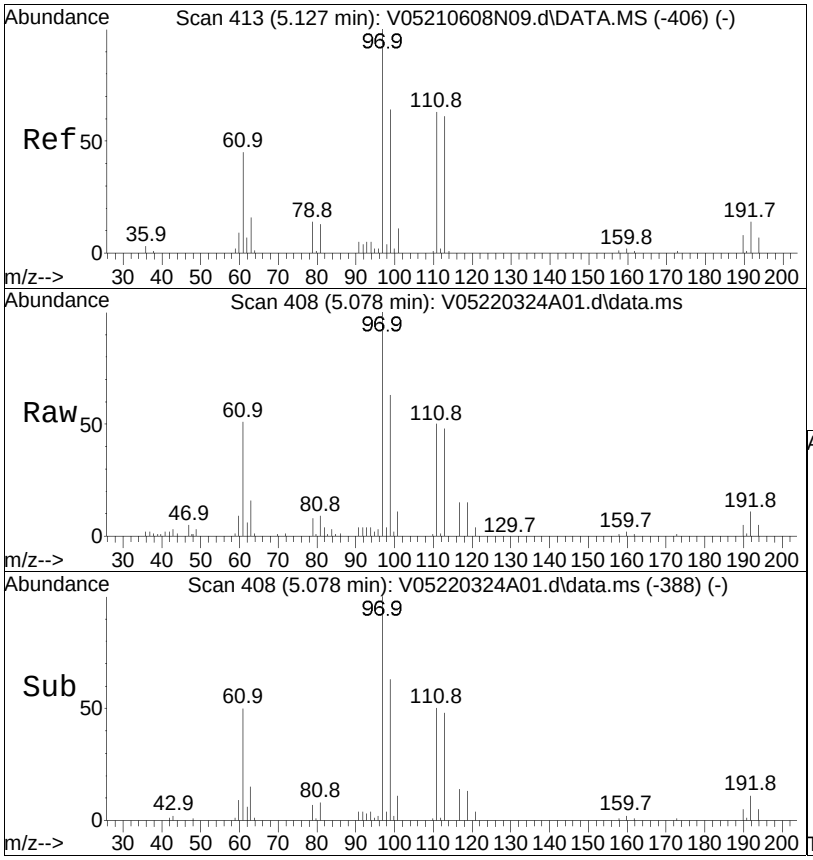


#34
Carbon tetrachloride
Concen: 13.27 ug/L
RT: 5.009 min Scan# 401
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:117 Resp: 136619

Ion	Ratio	Lower	Upper
117	100		
119	97.2	63.6	132.2
121	31.5	19.8	41.0
82	22.8	15.9	32.9

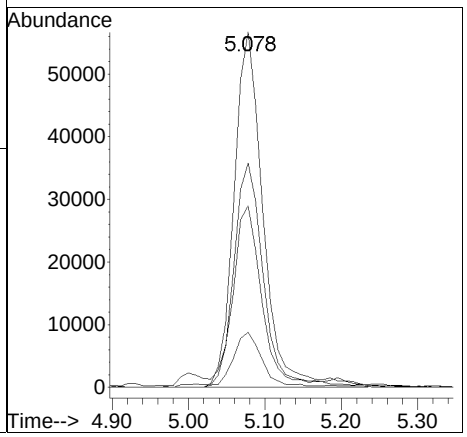


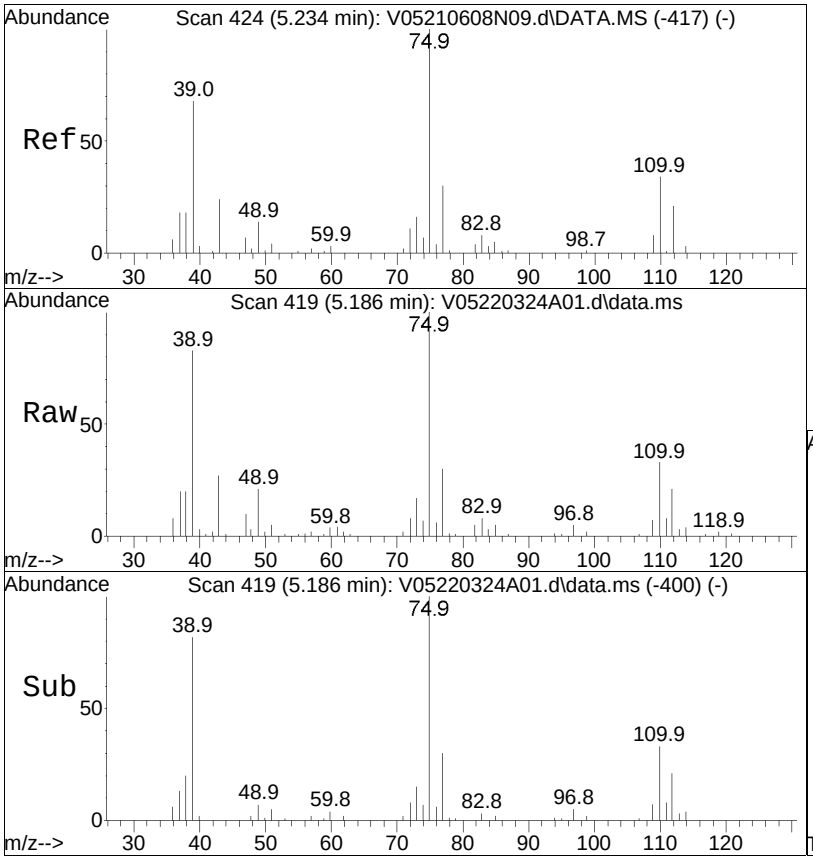


#37
1,1,1-Trichloroethane
Concen: 12.89 ug/L
RT: 5.078 min Scan# 408
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 97 Resp: 151160

Ion	Ratio	Lower	Upper
97	100		
99	64.1	41.7	86.5
61	48.5	26.1	54.3
63	14.3	8.5	17.6

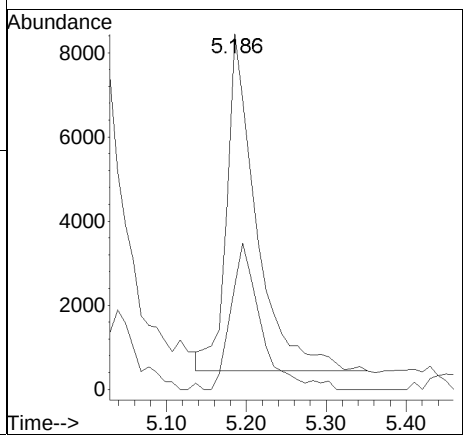


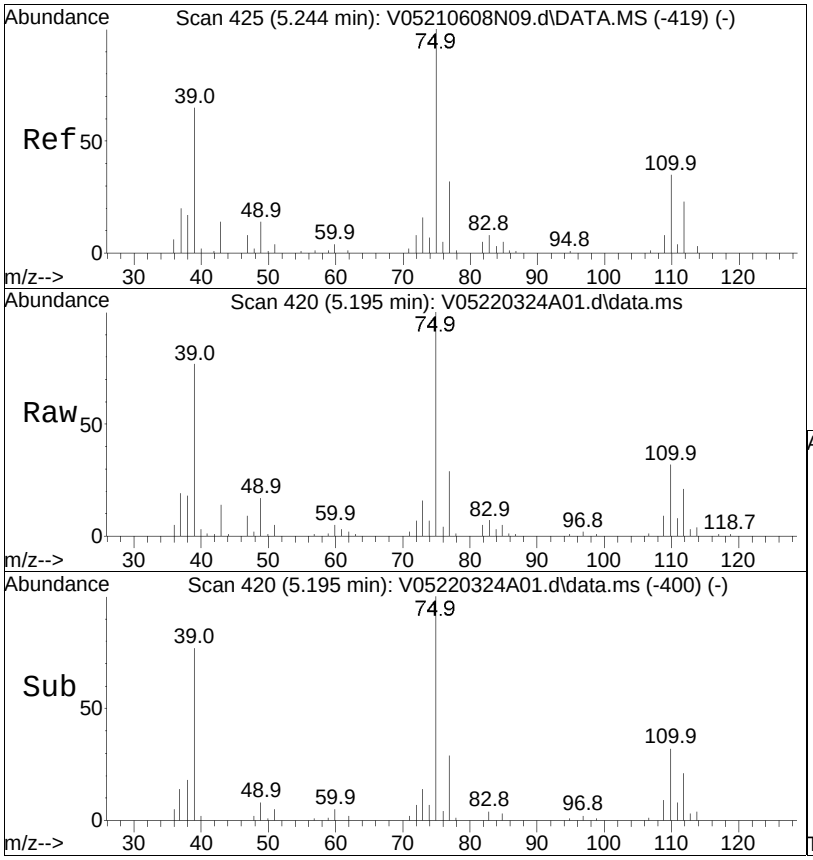


#39
2-Butanone
Concen: 8.14 ug/L
RT: 5.186 min Scan# 419
Delta R.T. -0.010 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 43 Resp: 20823

Ion	Ratio	Lower	Upper
43	100		
72	42.6	55.6	83.4#

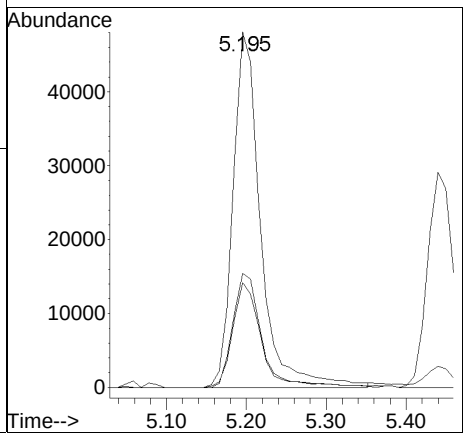


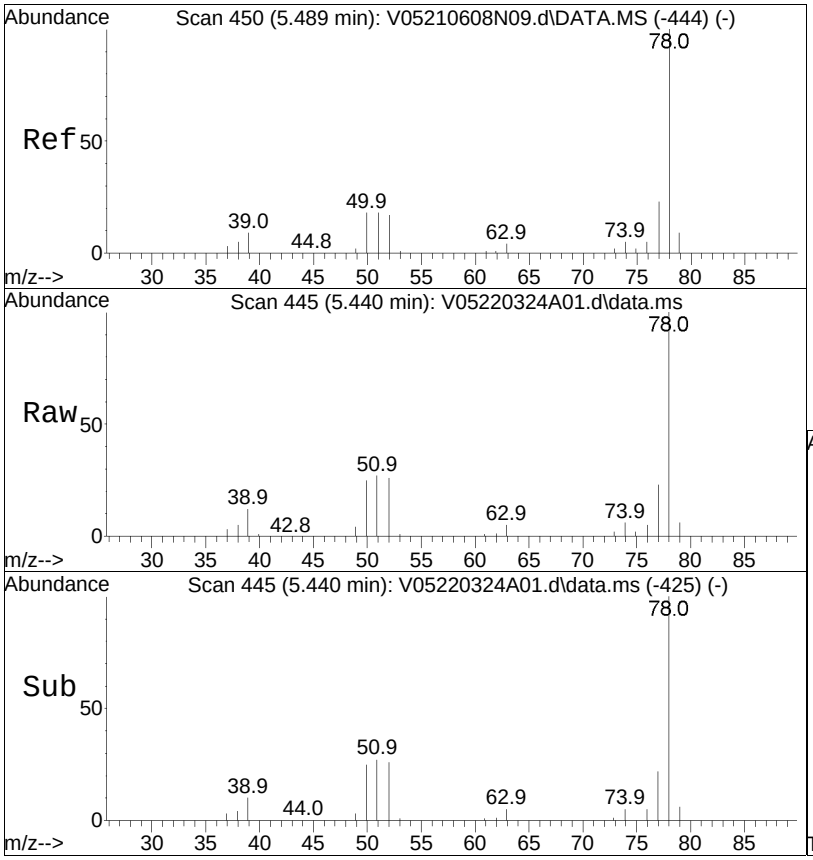


#40
1,1-Dichloropropene
Concen: 11.58 ug/L
RT: 5.195 min Scan# 420
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 75 Resp: 115756

Ion	Ratio	Lower	Upper
75	100		
110	33.6	21.1	43.7
77	30.7	20.1	41.7

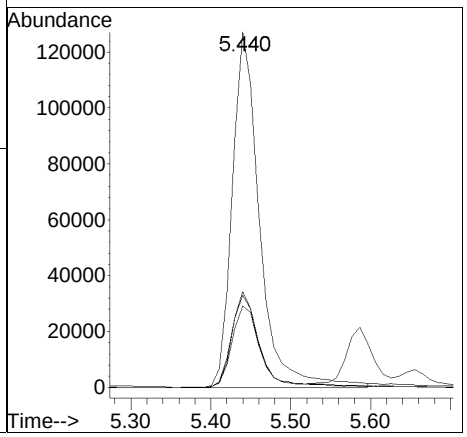


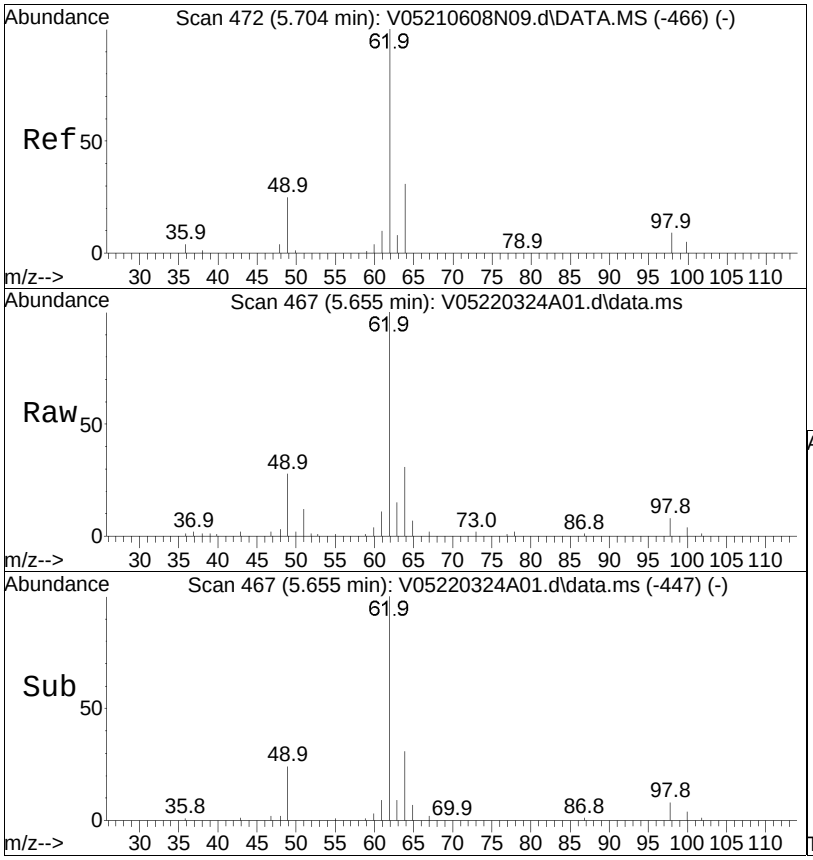


#41
Benzene
Concen: 10.49 ug/L
RT: 5.440 min Scan# 445
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 78 Resp: 304362

Ion	Ratio	Lower	Upper
78	100		
77	24.2	15.2	31.6
51	26.1	10.5	21.7#
52	26.7	9.5	19.7#

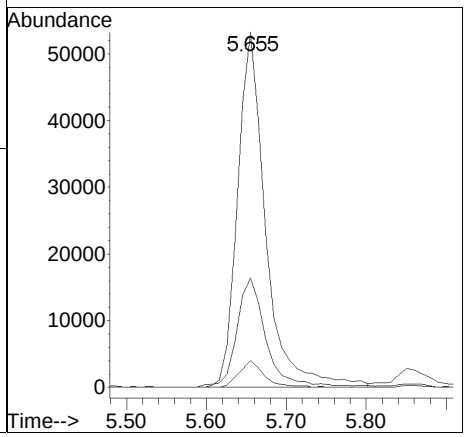


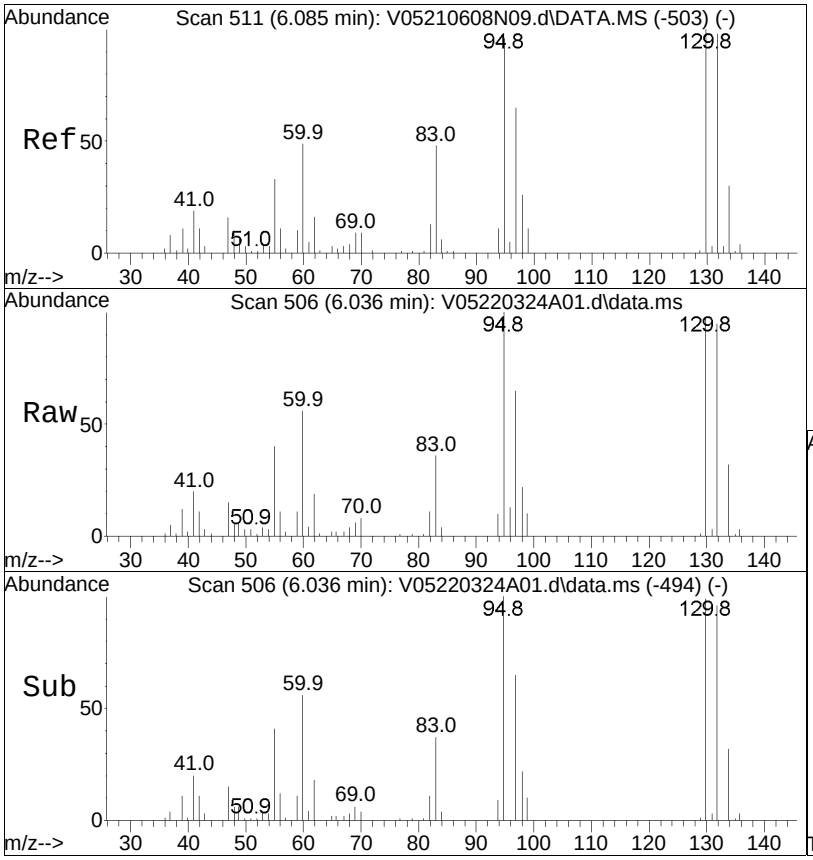


#44
1,2-Dichloroethane
Concen: 11.49 ug/L
RT: 5.655 min Scan# 467
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 62 Resp: 130864

Ion	Ratio	Lower	Upper
62	100		
64	32.3	13.2	53.2
98	6.8	0.0	27.8

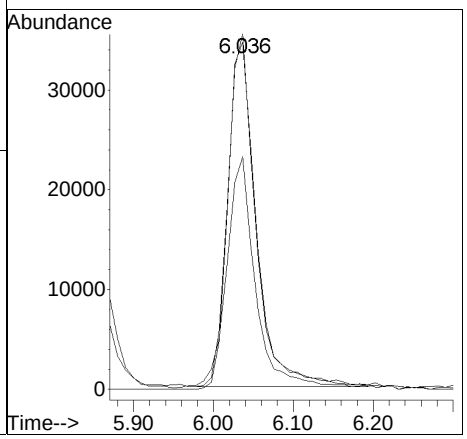


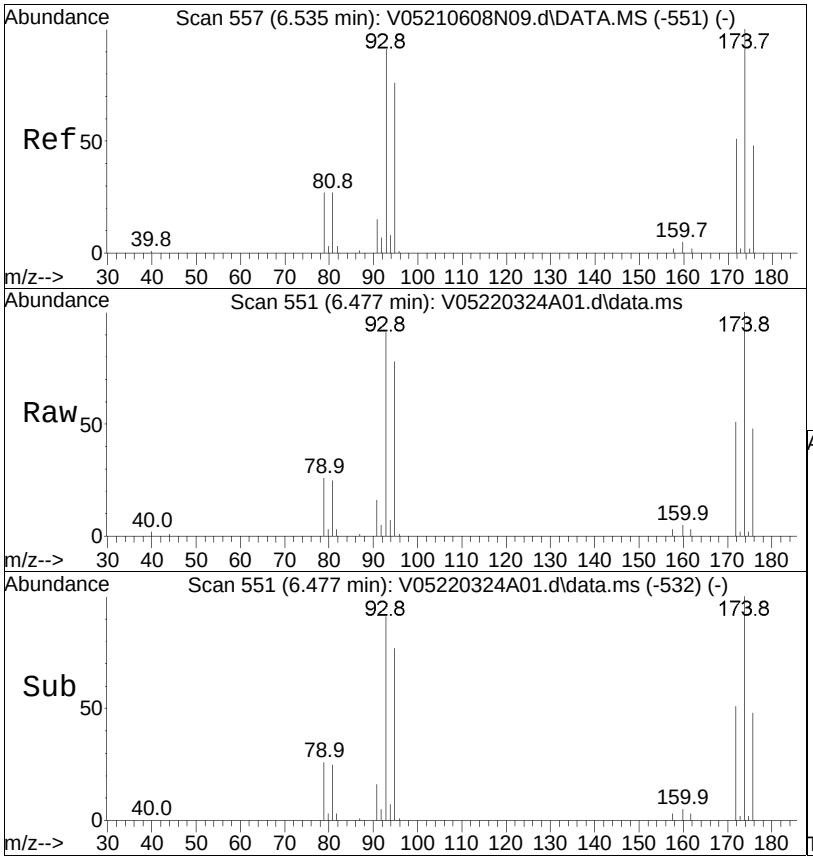


#48
Trichloroethene
Concen: 10.30 ug/L
RT: 6.036 min Scan# 506
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 95 Resp: 85896

Ion	Ratio	Lower	Upper
95	100		
97	67.2	56.1	84.1
130	103.6	77.7	116.5

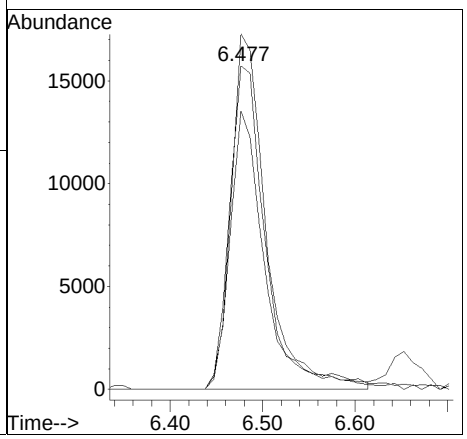


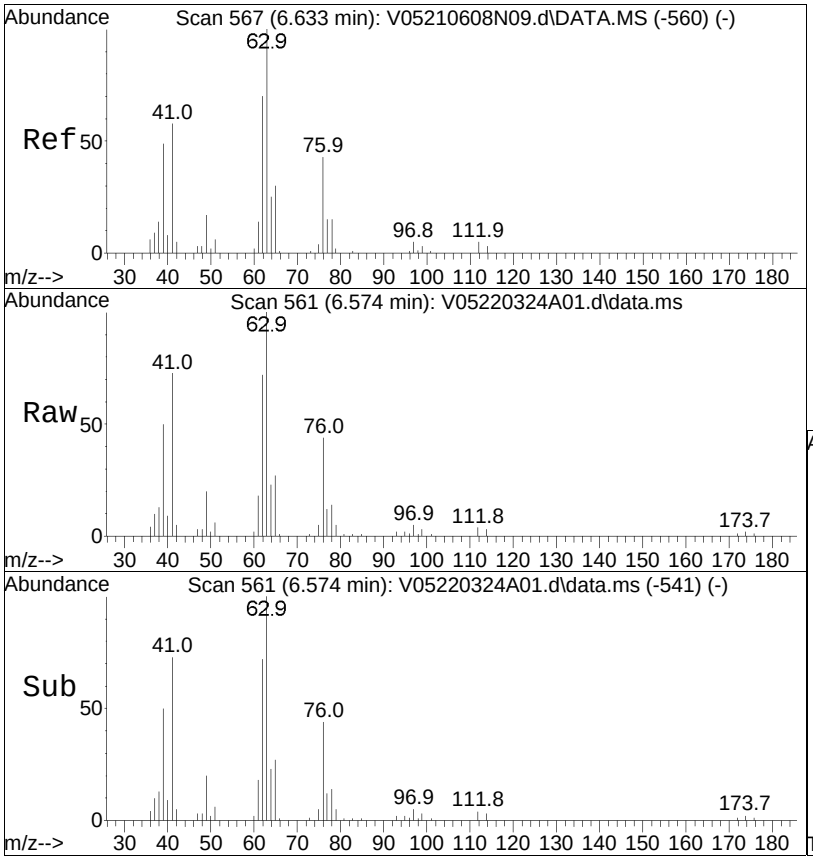


#50
Dibromomethane
Concen: 11.09 ug/L
RT: 6.477 min Scan# 551
Delta R.T. -0.009 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 93 Resp: 42514

Ion	Ratio	Lower	Upper
93	100		
95	84.6	64.3	96.5
174	109.0	80.9	121.3

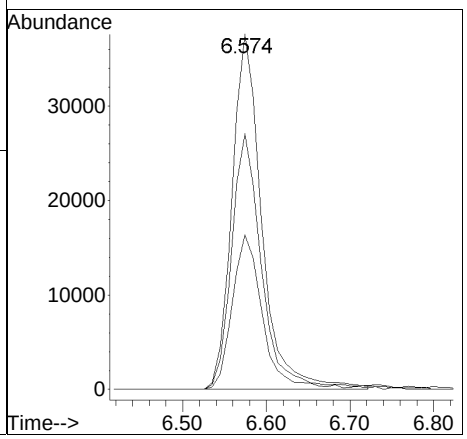


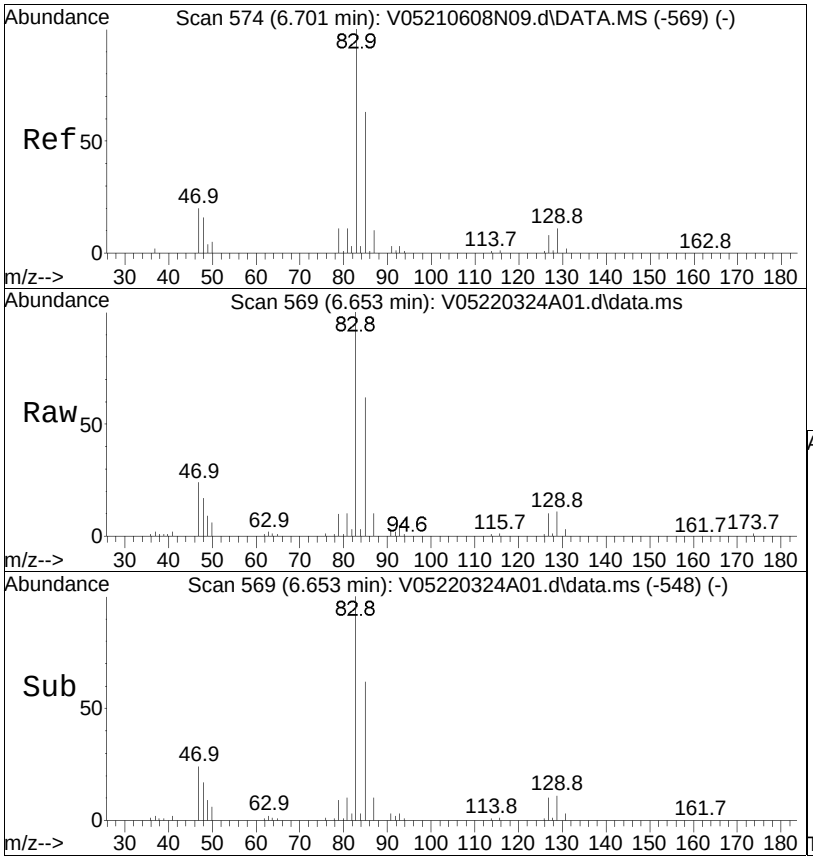


#51
1,2-Dichloropropane
Concen: 10.29 ug/L
RT: 6.574 min Scan# 561
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 63 Resp: 93597

Ion	Ratio	Lower	Upper
63	100		
62	72.7	57.0	85.4
76	44.1	48.4	72.6#

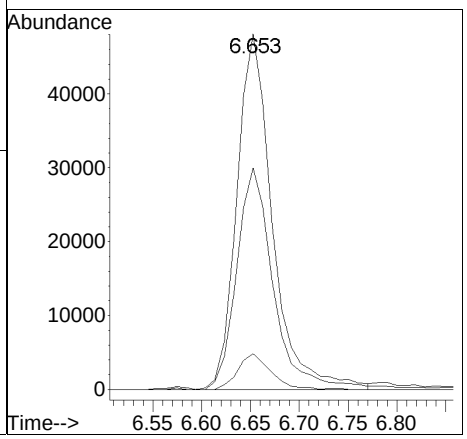


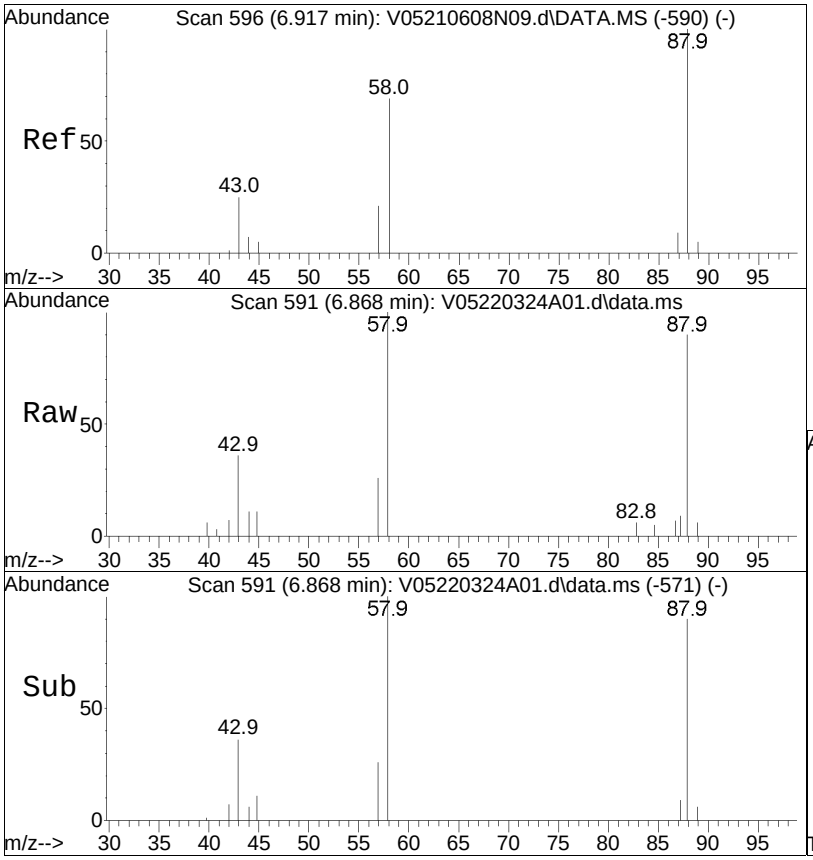


#54
Bromodichloromethane
Concen: 12.52 ug/L
RT: 6.653 min Scan# 569
Delta R.T. 0.001 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 83 Resp: 122166

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.0	76.6
127	9.2	6.7	10.1

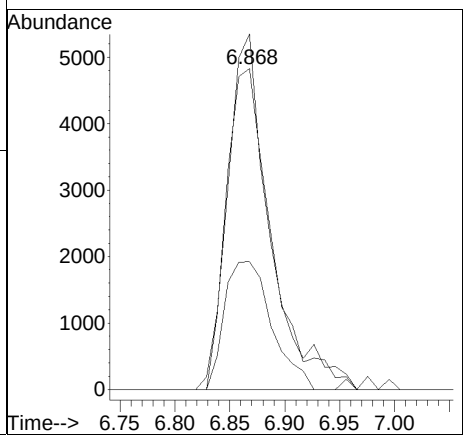


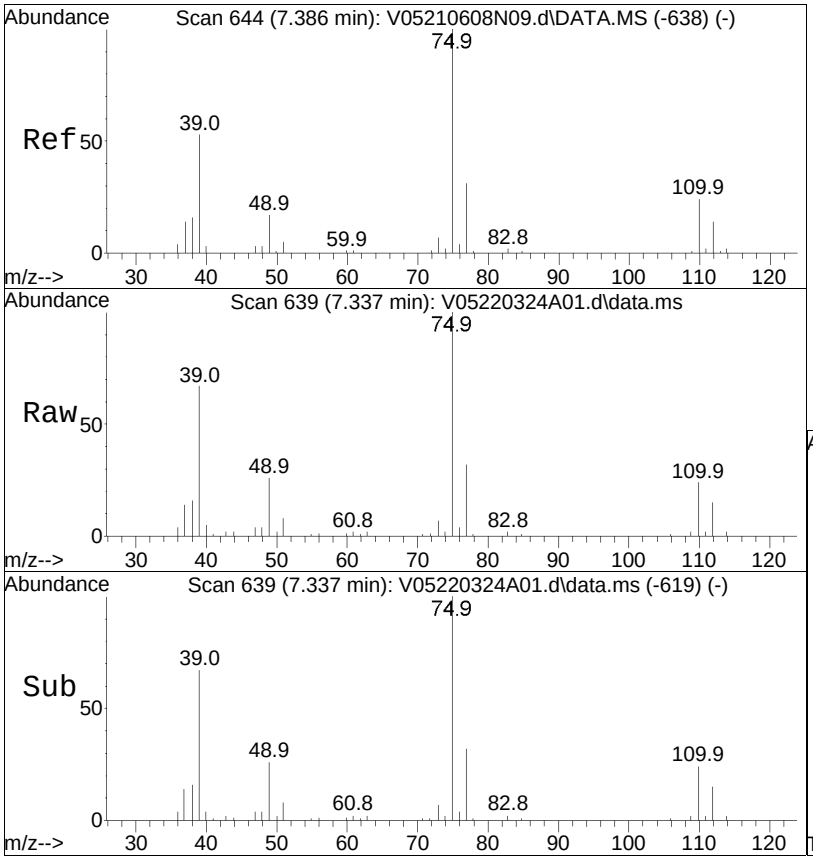


#57
1,4-Dioxane
Concen: 463.12 ug/L
RT: 6.868 min Scan# 591
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 88 Resp: 13908

Ion	Ratio	Lower	Upper
88	100		
58	104.0	50.6	75.8#
43	41.4	20.5	30.7#

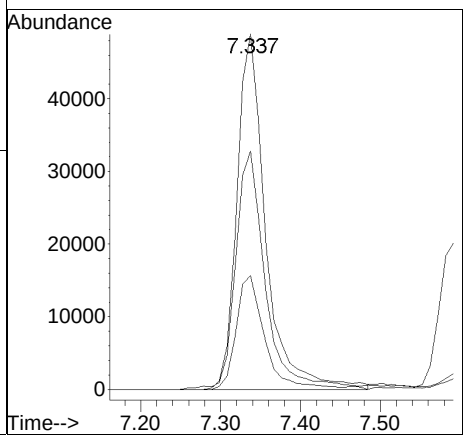


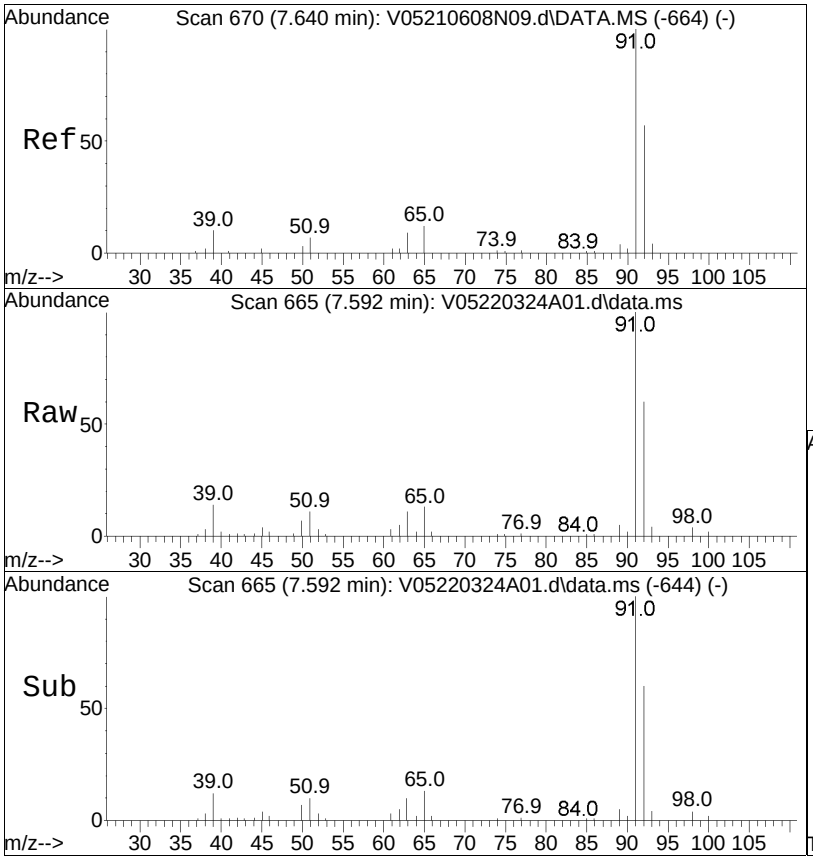


#58
cis-1,3-Dichloropropene
Concen: 10.43 ug/L
RT: 7.337 min Scan# 639
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 75 Resp: 123014

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3
39	69.0	40.4	60.6#

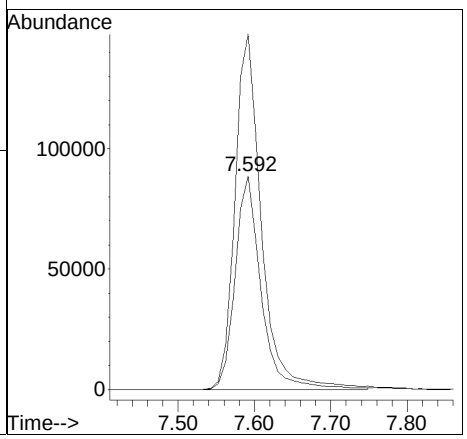


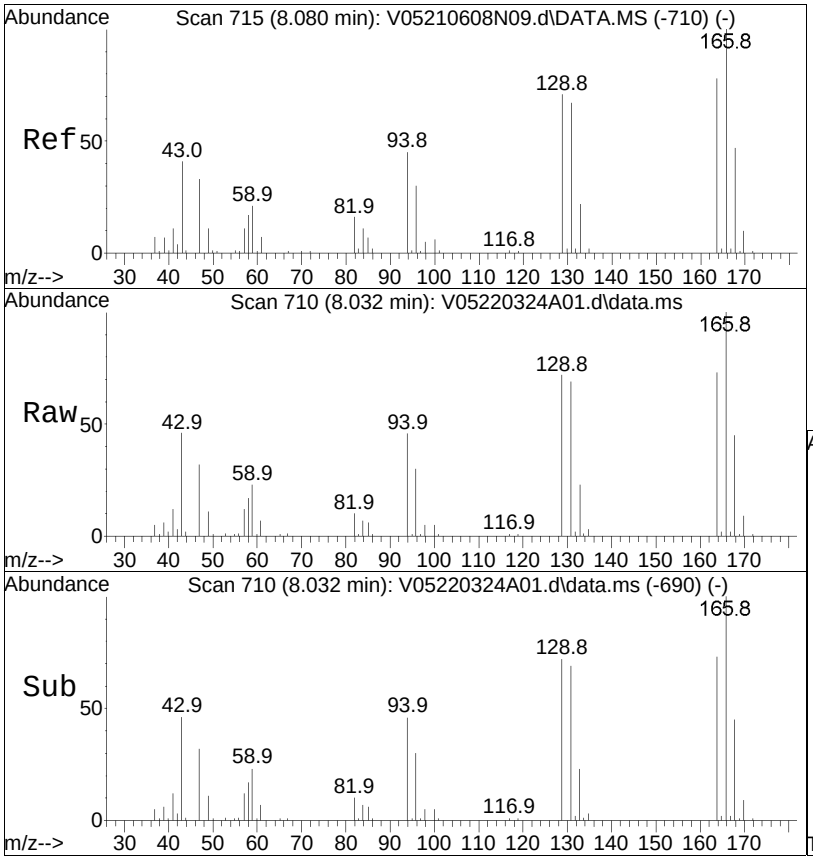


#61
Toluene
Concen: 11.11 ug/L
RT: 7.592 min Scan# 665
Delta R.T. 0.001 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 92 Resp: 209348

Ion	Ratio	Lower	Upper
92	100		
91	168.9	135.2	202.8

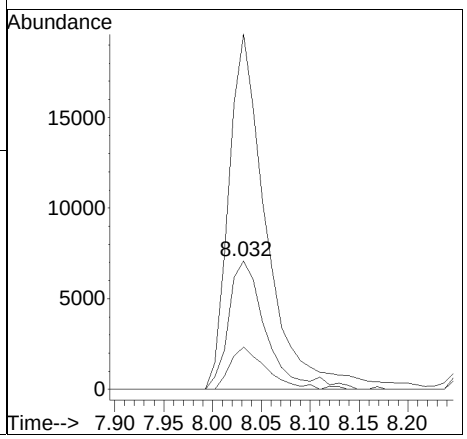


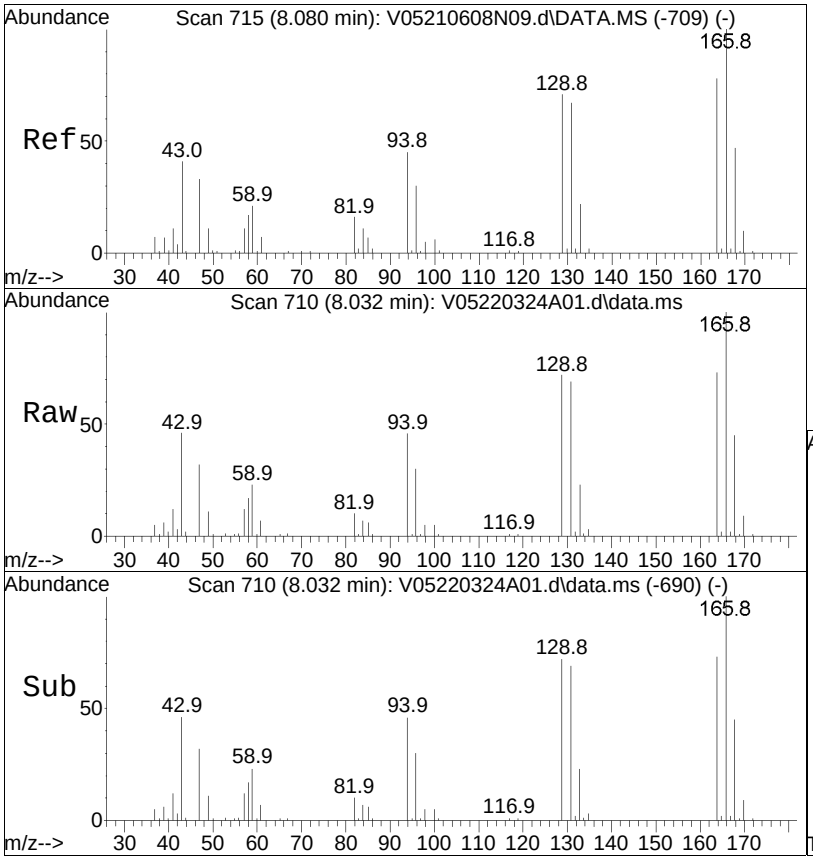


#62
4-Methyl-2-pentanone
Concen: 9.07 ug/L
RT: 8.032 min Scan# 710
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 58 Resp: 19048

Ion	Ratio	Lower	Upper
58	100		
100	31.7	38.9	58.3#
43	280.0	204.2	306.2

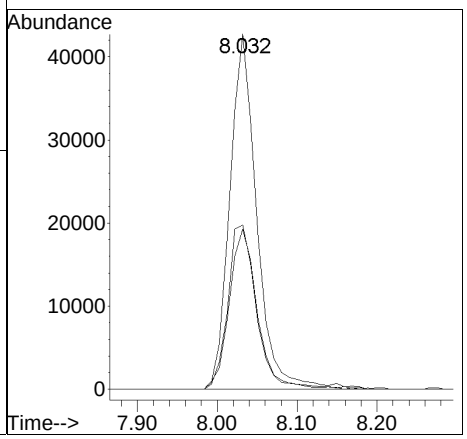


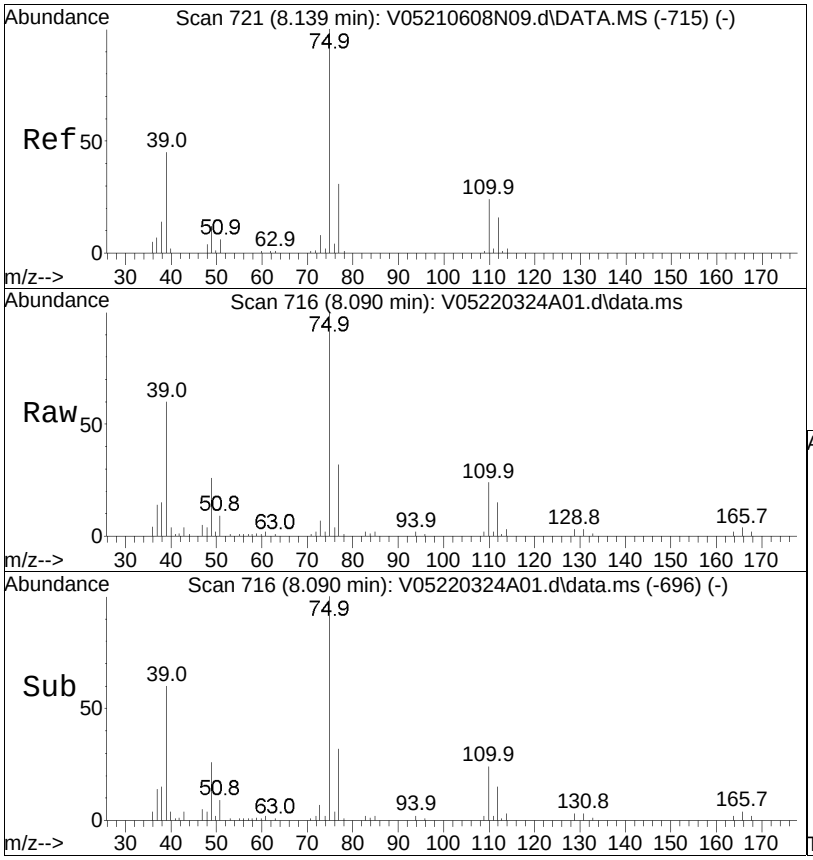


#63
Tetrachloroethene
Concen: 12.06 ug/L
RT: 8.032 min Scan# 710
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:166 Resp: 100992

Ion	Ratio	Lower	Upper
166	100		
168	46.9	30.2	70.2
94	49.4	32.5	72.5

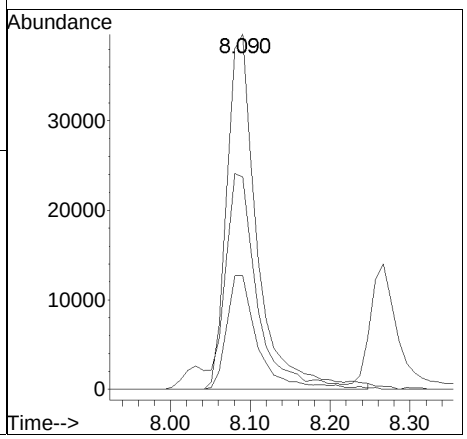


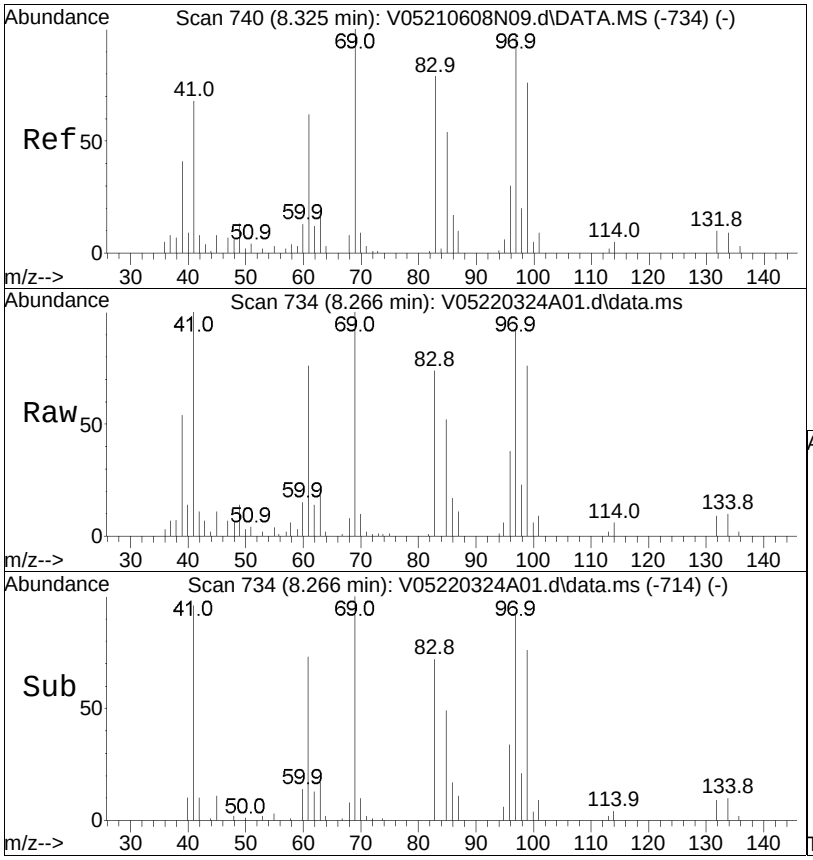


#65
trans-1,3-Dichloropropene
Concen: 11.48 ug/L
RT: 8.090 min Scan# 716
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 75 Resp: 105269

Ion	Ratio	Lower	Upper
75	100		
77	32.6	11.5	51.5
39	68.3	29.3	69.3

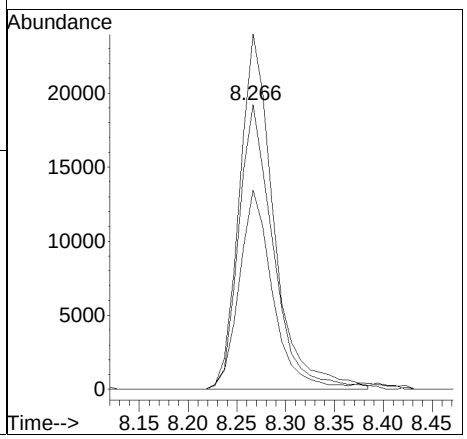


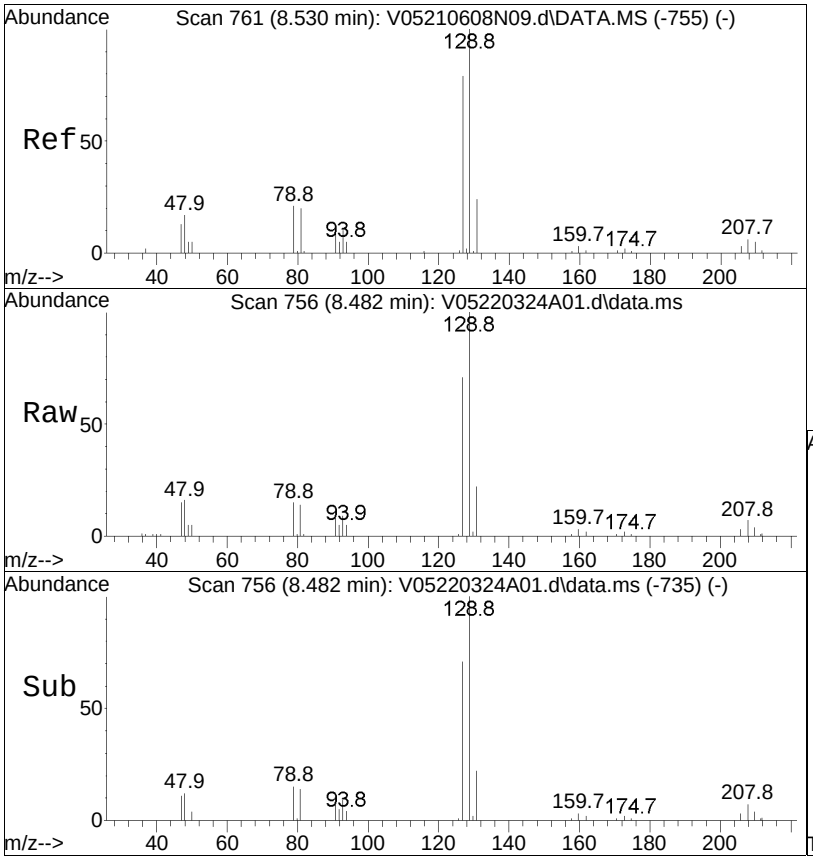


#68
1,1,2-Trichloroethane
Concen: 10.57 ug/L
RT: 8.266 min Scan# 734
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 83 Resp: 47319

Ion	Ratio	Lower	Upper
83	100		
97	125.7	102.2	142.2
85	67.8	47.5	87.5

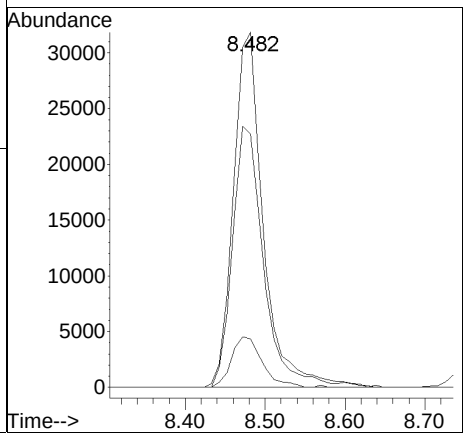


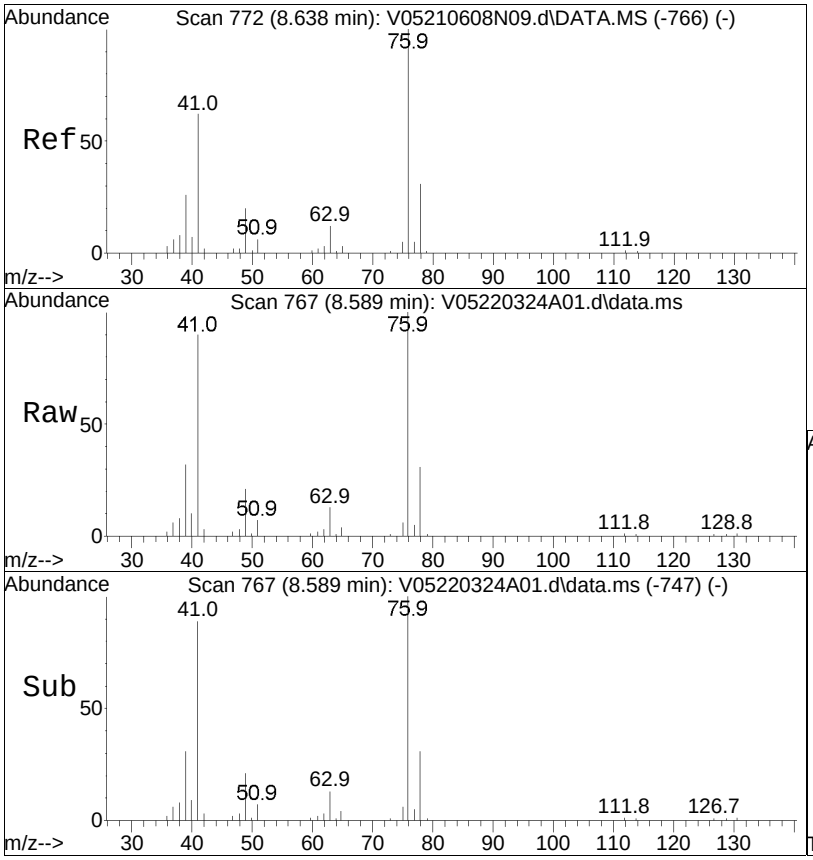


#69
Chlorodibromomethane
Concen: 12.26 ug/L
RT: 8.482 min Scan# 756
Delta R.T. 0.001 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:129 Resp: 83107

Ion	Ratio	Lower	Upper
129	100		
81	14.6	0.0	37.0
127	76.9	58.3	98.3

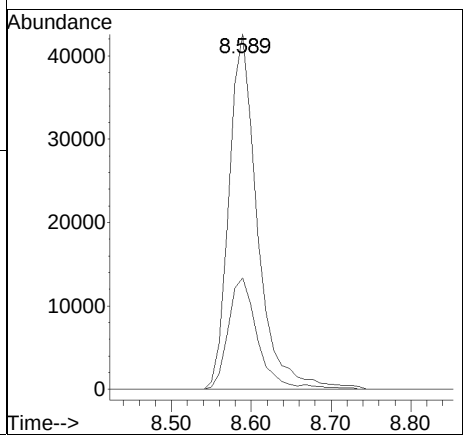


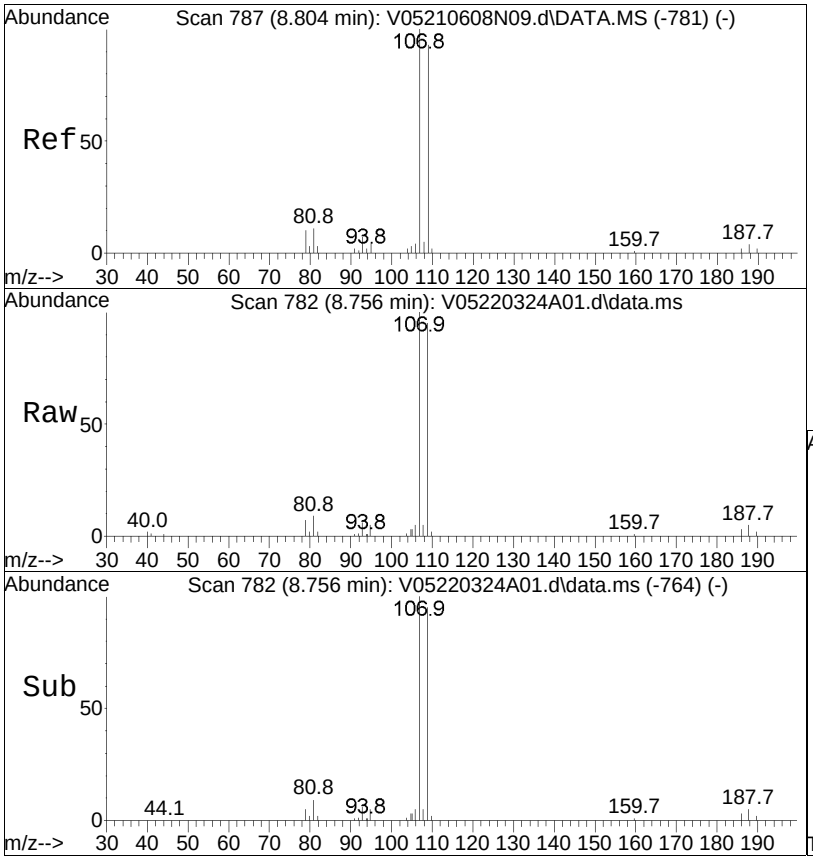


#70
1,3-Dichloropropane
Concen: 10.93 ug/L
RT: 8.589 min Scan# 767
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 76 Resp: 116141

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

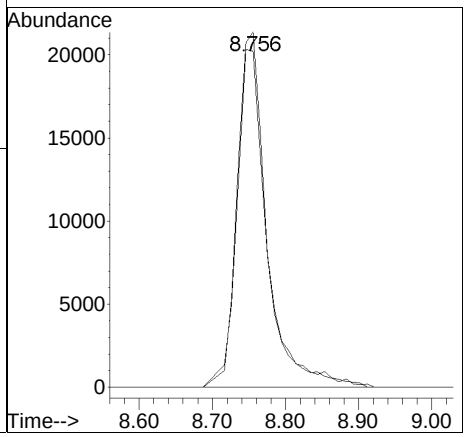


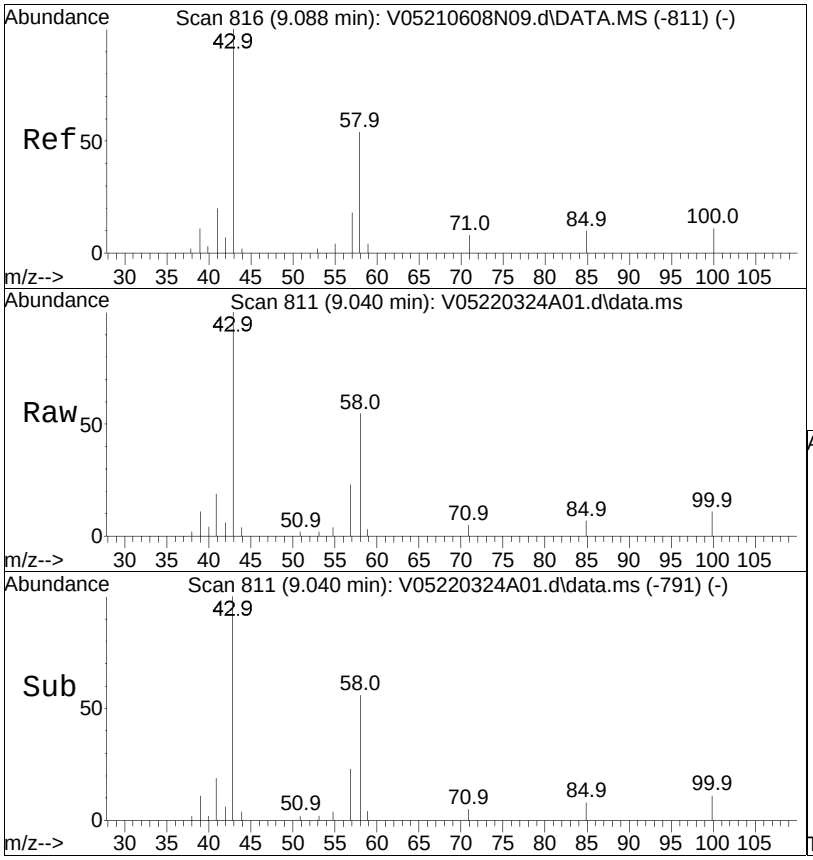


#71
1,2-Dibromoethane
Concen: 10.72 ug/L
RT: 8.756 min Scan# 782
Delta R.T. 0.001 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:107 Resp: 65855

Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.0	112.6

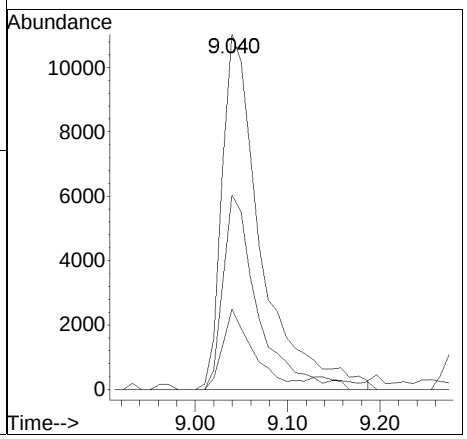


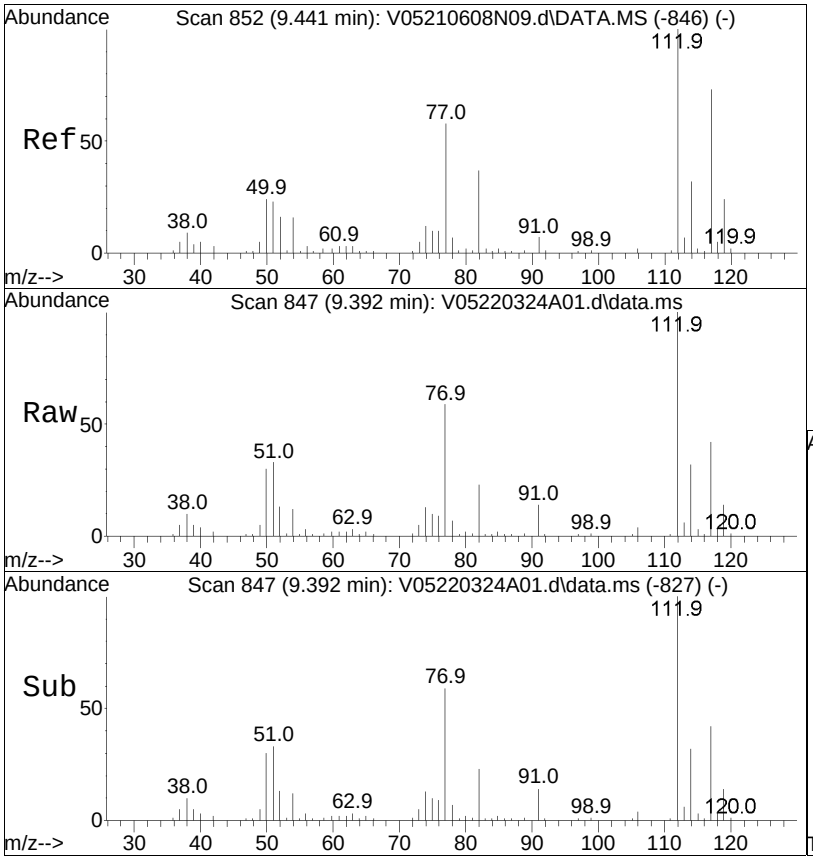


#72
2-Hexanone
Concen: 8.62 ug/L
RT: 9.040 min Scan# 811
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 43 Resp: 32377

Ion	Ratio	Lower	Upper
43	100		
58	50.1	42.3	63.5
57	18.5	15.6	23.4

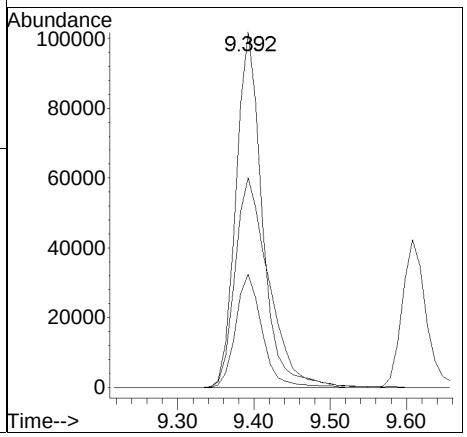


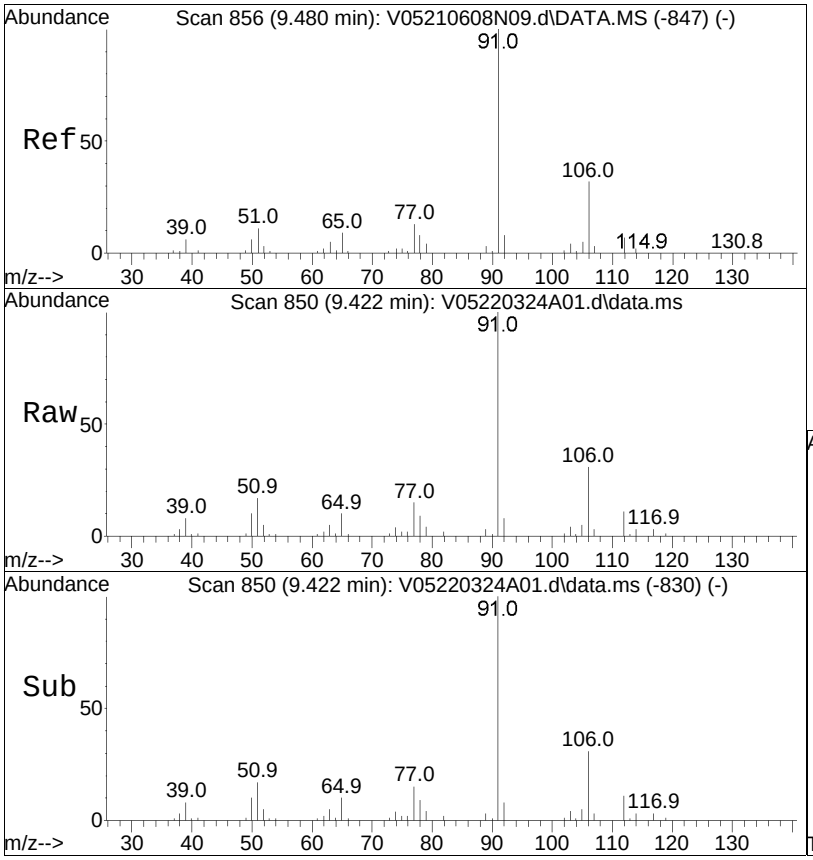


#73
Chlorobenzene
Concen: 11.65 ug/L
RT: 9.392 min Scan# 847
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:112 Resp: 244264

Ion	Ratio	Lower	Upper
112	100		
77	75.7	66.1	99.1
114	32.1	25.4	38.0

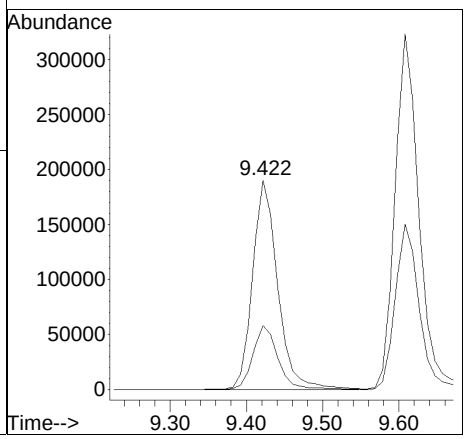


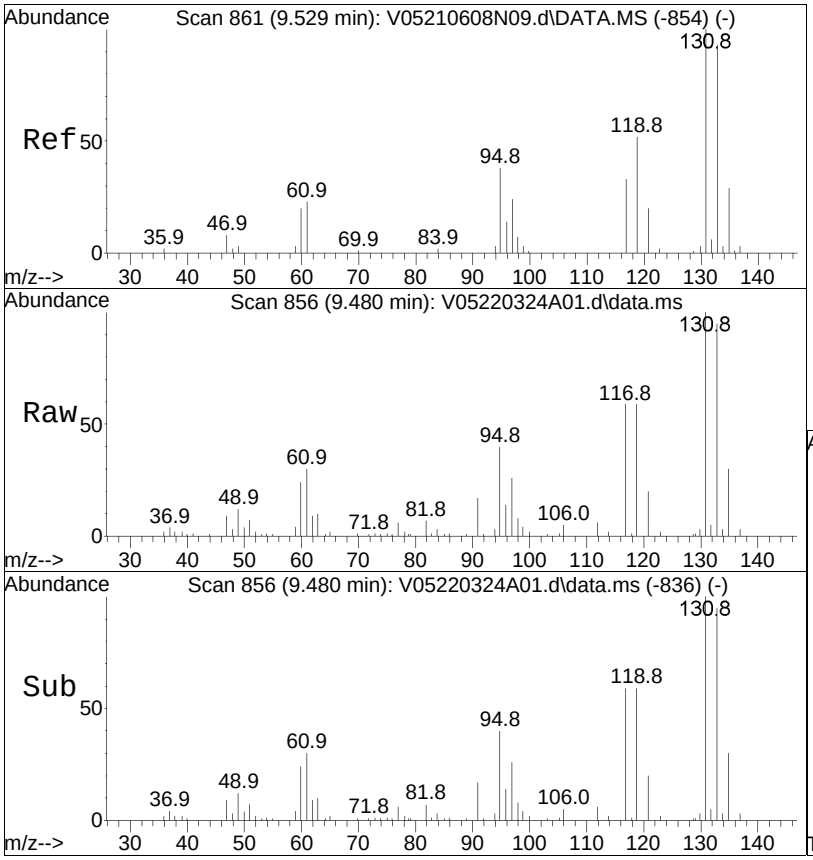


#74
Ethylbenzene
Concen: 11.63 ug/L
RT: 9.422 min Scan# 850
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 91 Resp: 435081

Ion	Ratio	Lower	Upper
91	100		
106	30.3	22.9	34.3

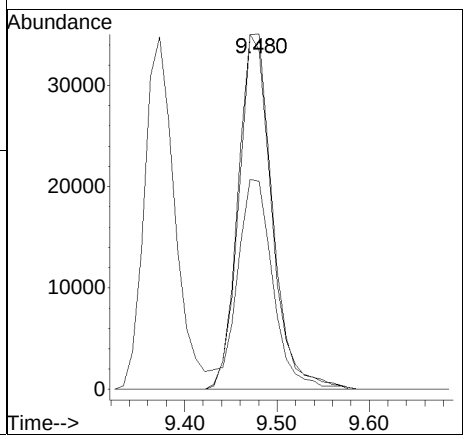


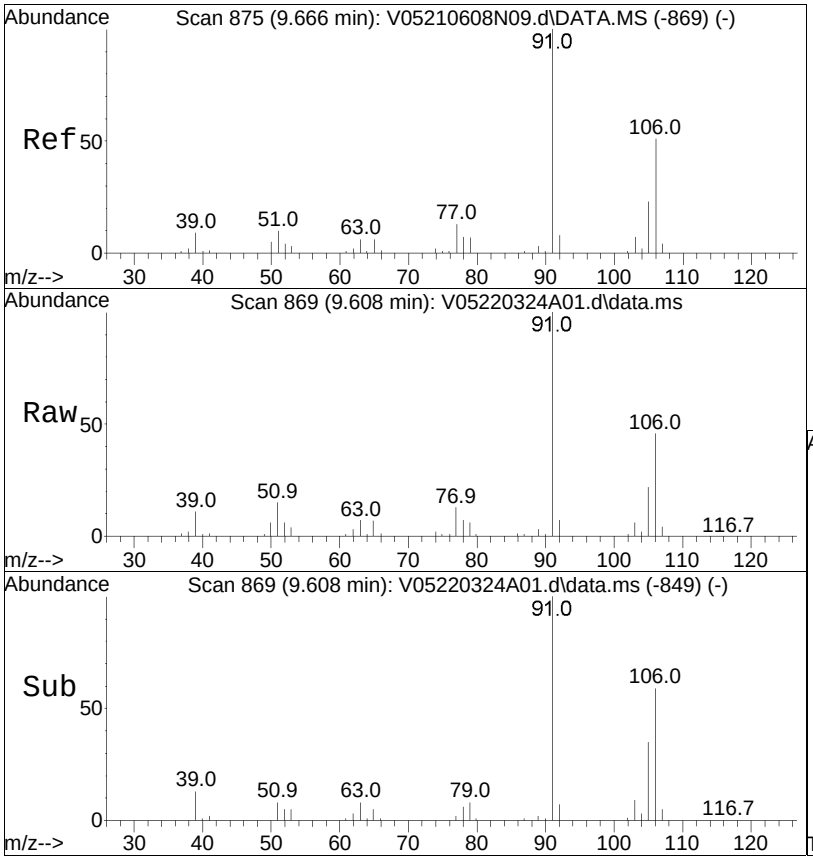


#75
1,1,1,2-Tetrachloroethane
Concen: 12.57 ug/L
RT: 9.480 min Scan# 856
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:131 Resp: 91030

Ion	Ratio	Lower	Upper
131	100		
133	95.5	75.8	115.8
119	61.7	41.2	81.2

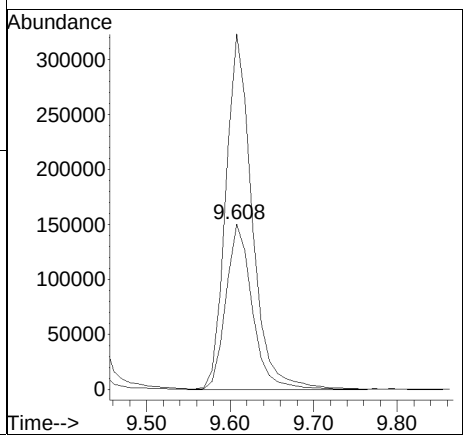


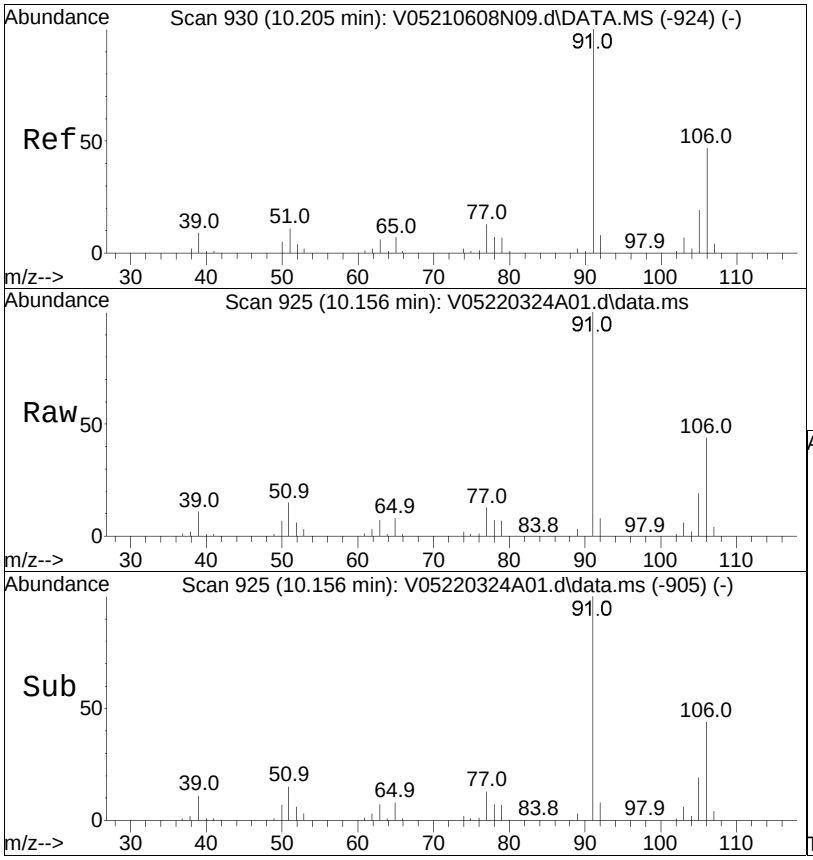


#76
p/m Xylene
Concen: 23.70 ug/L
RT: 9.608 min Scan# 869
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:106 Resp: 330310

Ion	Ratio	Lower	Upper
106	100		
91	212.4	177.2	265.8

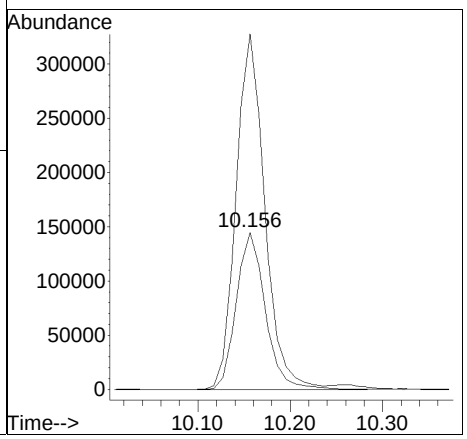


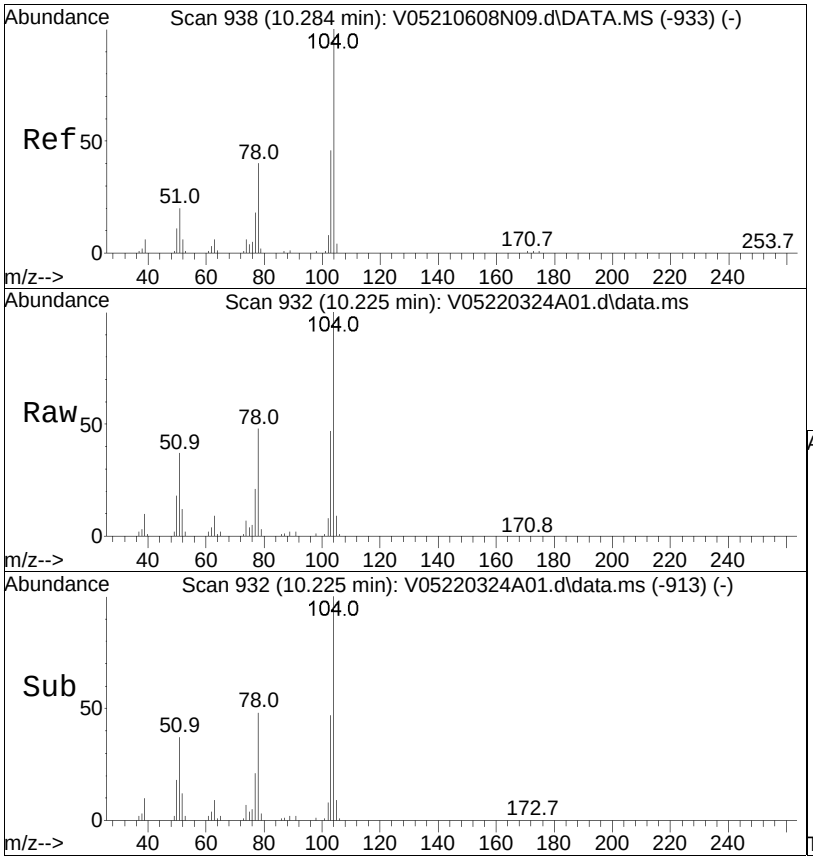


#77
o Xylene
Concen: 23.72 ug/L
RT: 10.156 min Scan# 925
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:106 Resp: 315690

Ion	Ratio	Lower	Upper
106	100		
91	224.1	187.0	280.6

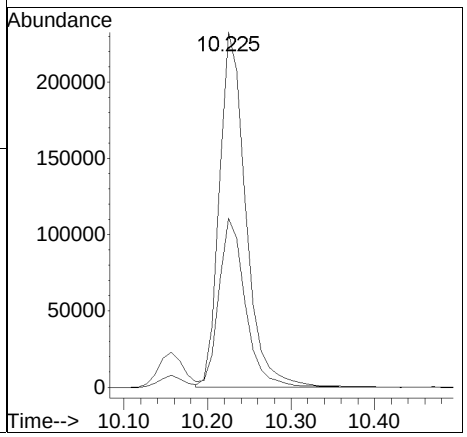


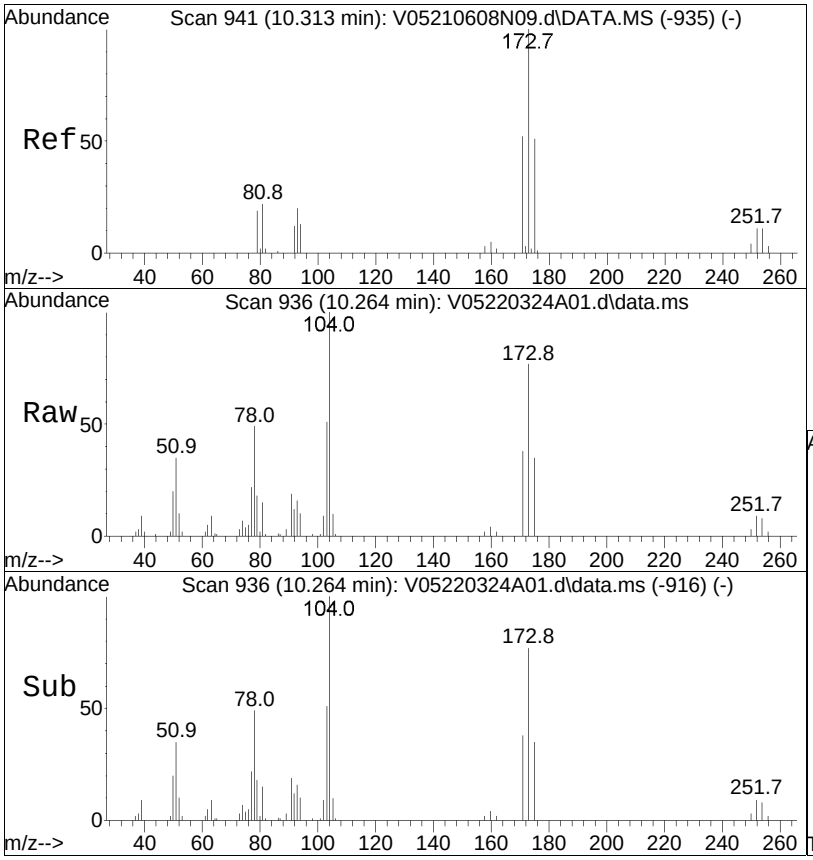


#78
Styrene
Concen: 23.40 ug/L
RT: 10.225 min Scan# 932
Delta R.T. -0.010 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:104 Resp: 509135

Ion	Ratio	Lower	Upper
104	100		
78	47.9	39.6	59.4

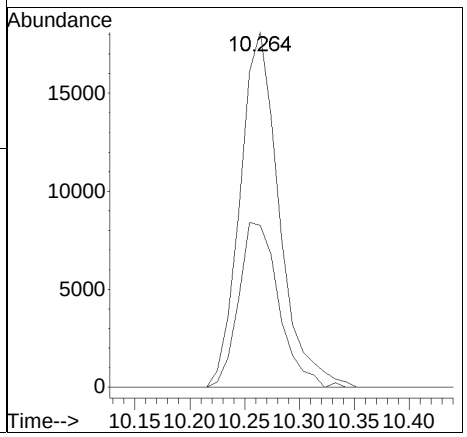


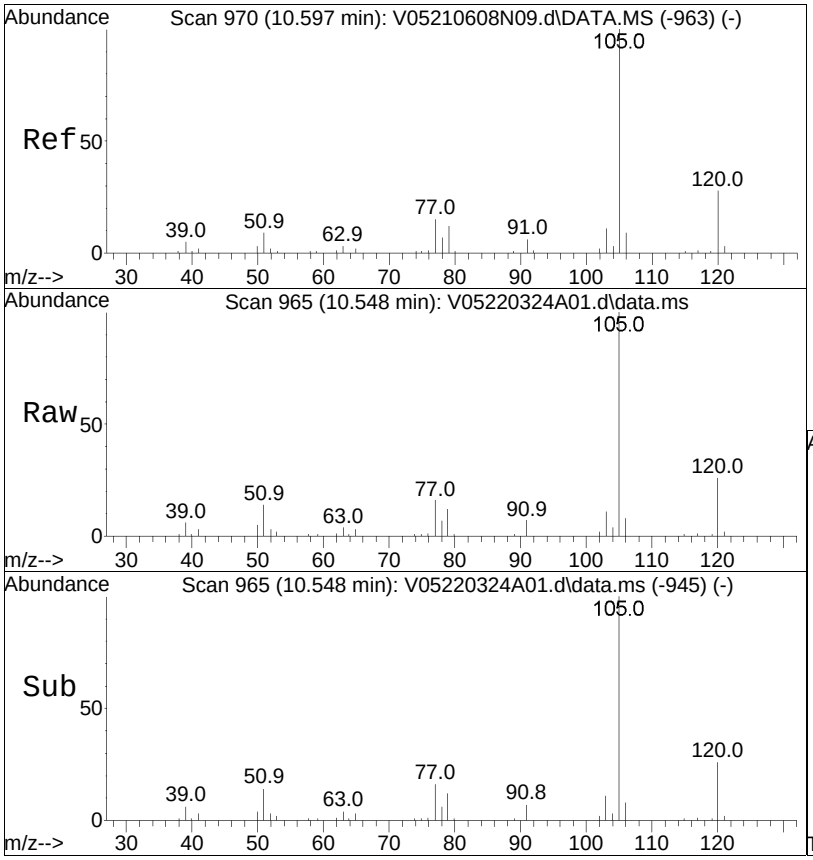


#80
Bromoform
Concen: 11.02 ug/L
RT: 10.264 min Scan# 936
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:173 Resp: 45097

Ion	Ratio	Lower	Upper
173	100		
175	47.5	26.6	66.6

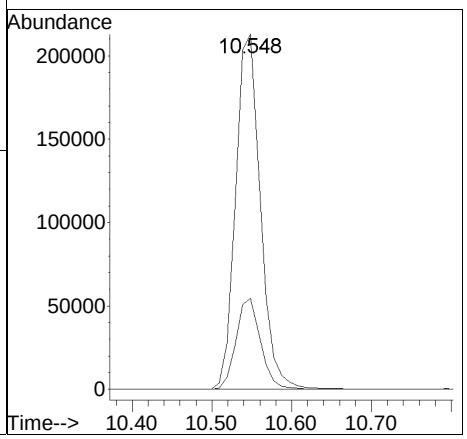


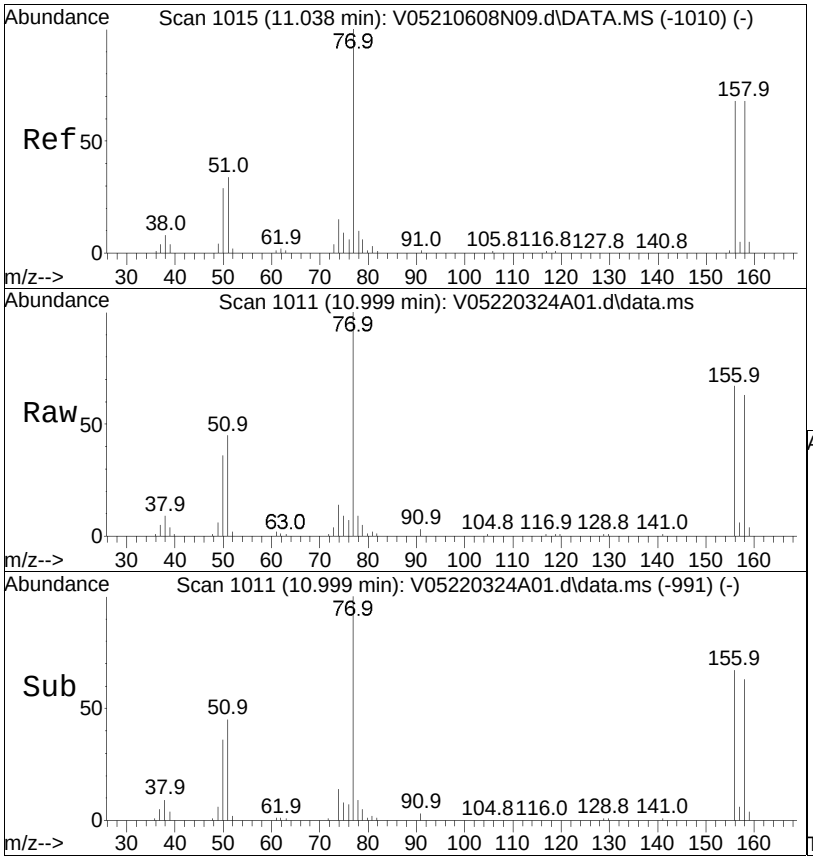


#82
Isopropylbenzene
Concen: 11.46 ug/L
RT: 10.548 min Scan# 965
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:105 Resp: 460702

Ion	Ratio	Lower	Upper
105	100		
120	25.3	4.8	44.8

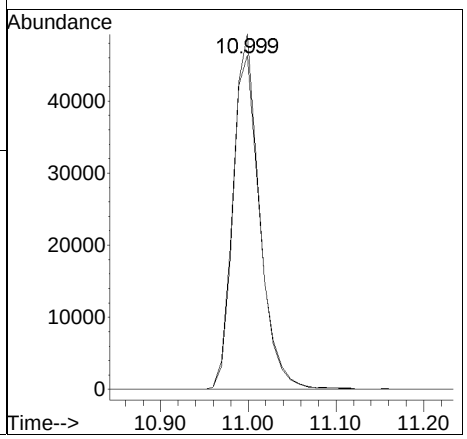


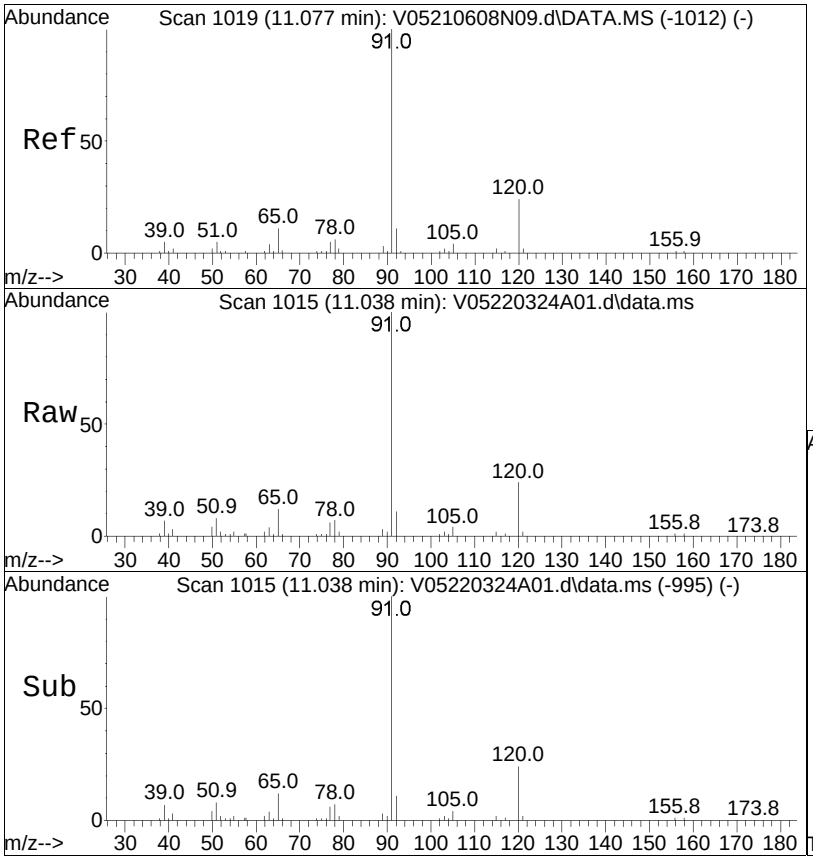


#84
Bromobenzene
Concen: 11.60 ug/L
RT: 10.999 min Scan# 1011
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:156 Resp: 103856

Ion	Ratio	Lower	Upper
156	100		
158	95.6	77.8	116.8

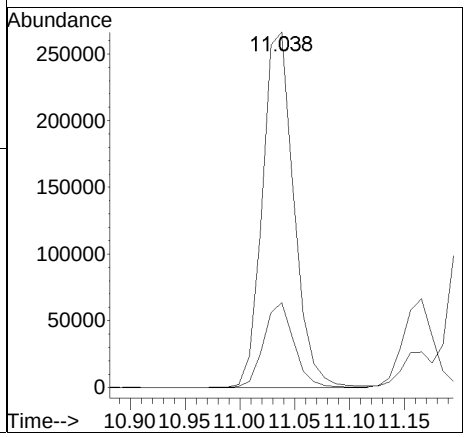


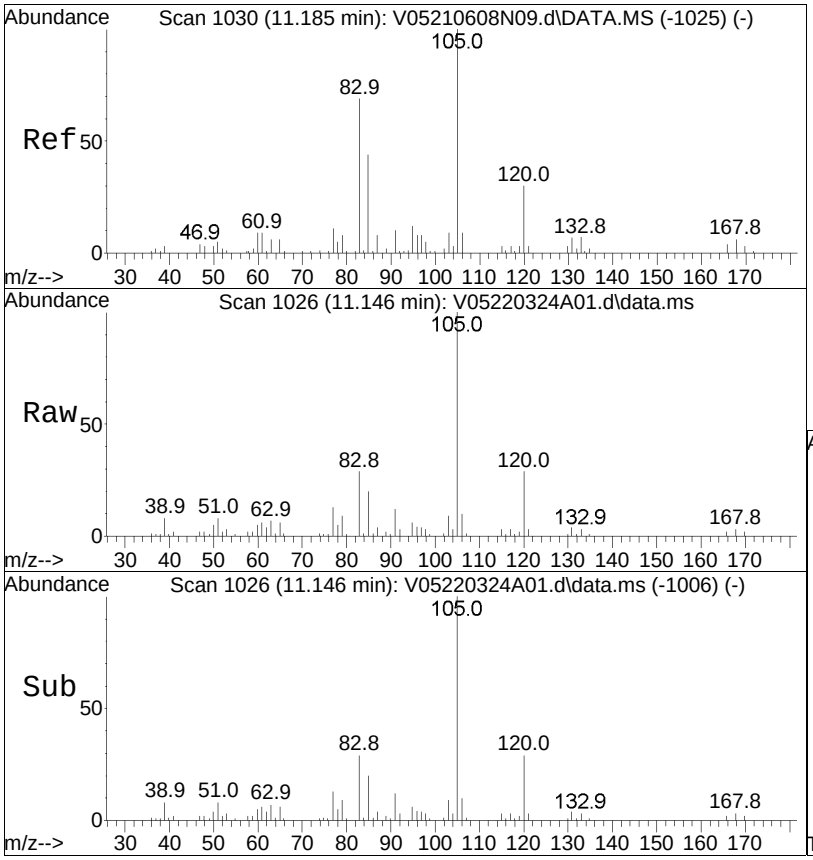


#85
n-Propylbenzene
Concen: 11.53 ug/L
RT: 11.038 min Scan# 1015
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 91 Resp: 531194

Ion	Ratio	Lower	Upper
91	100		
120	22.9	17.3	25.9

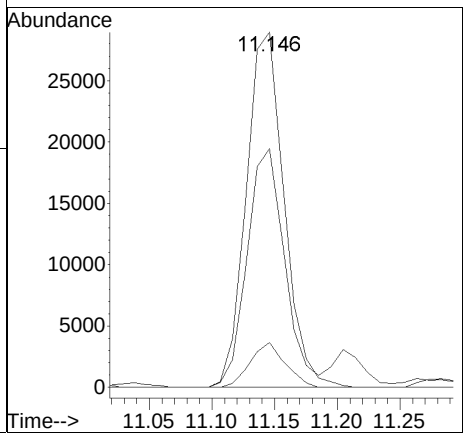


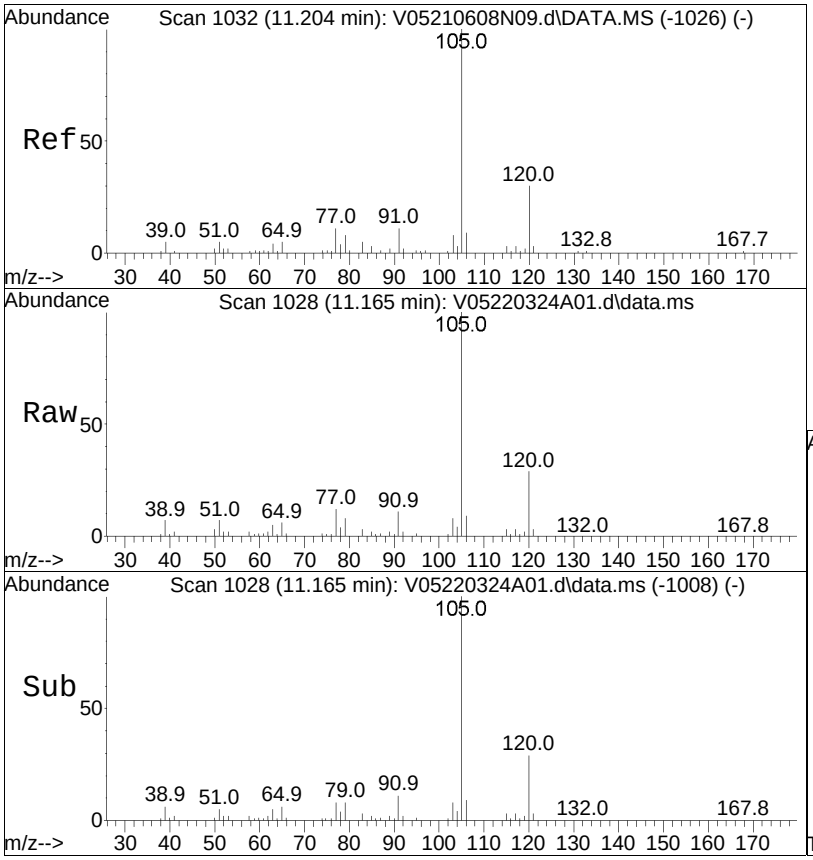


#87
1,1,2,2-Tetrachloroethane
Concen: 9.74 ug/L
RT: 11.146 min Scan# 1026
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 83 Resp: 60880

Ion	Ratio	Lower	Upper
83	100		
131	11.8	0.0	30.4
85	66.8	46.4	86.4

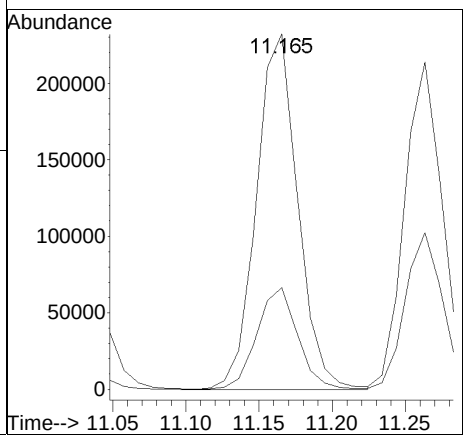


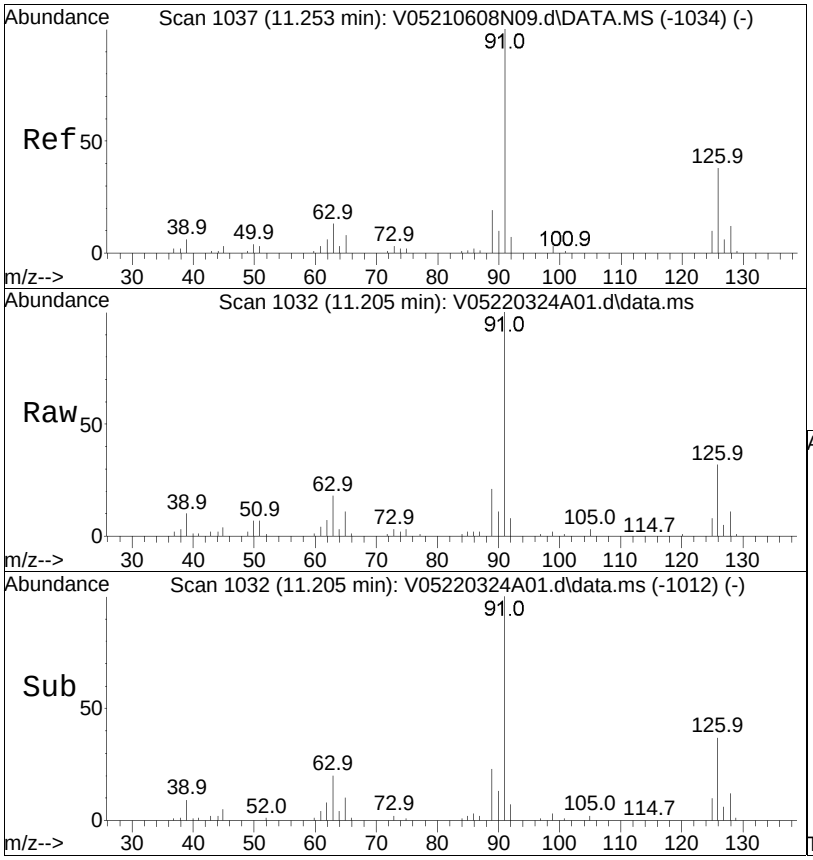


#88
4-Ethyltoluene
Concen: 11.91 ug/L
RT: 11.165 min Scan# 1028
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:105 Resp: 456475

Ion	Ratio	Lower	Upper
105	100		
120	28.0	18.5	38.3

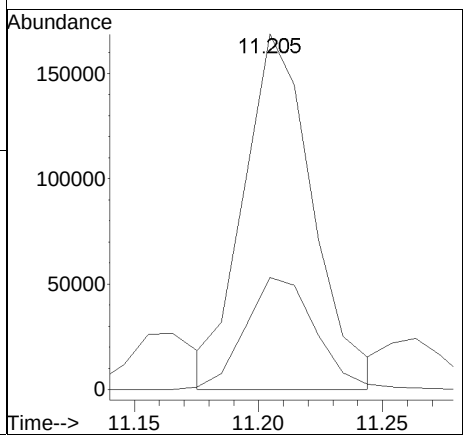


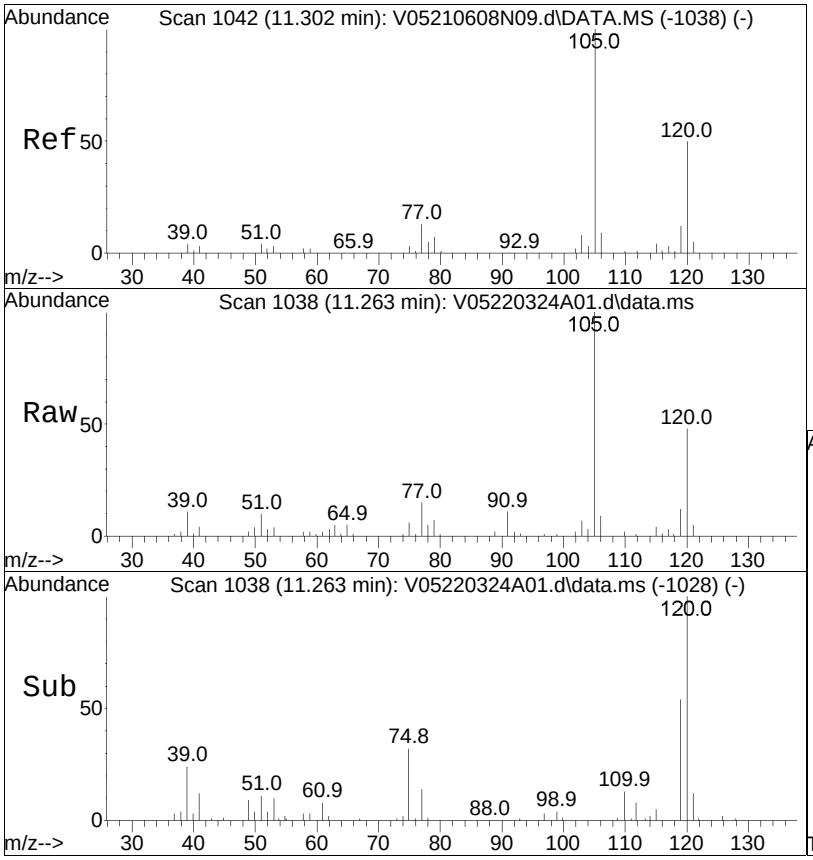


#89
2-Chlorotoluene
Concen: 11.66 ug/L M6
RT: 11.205 min Scan# 1032
Delta R.T. 0.001 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 91 Resp: 326785

Ion	Ratio	Lower	Upper
91	100		
126	32.3	23.5	35.3

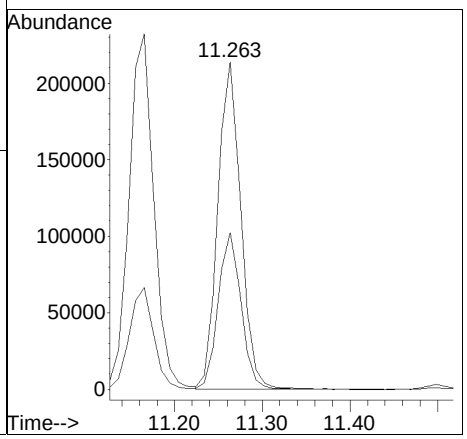


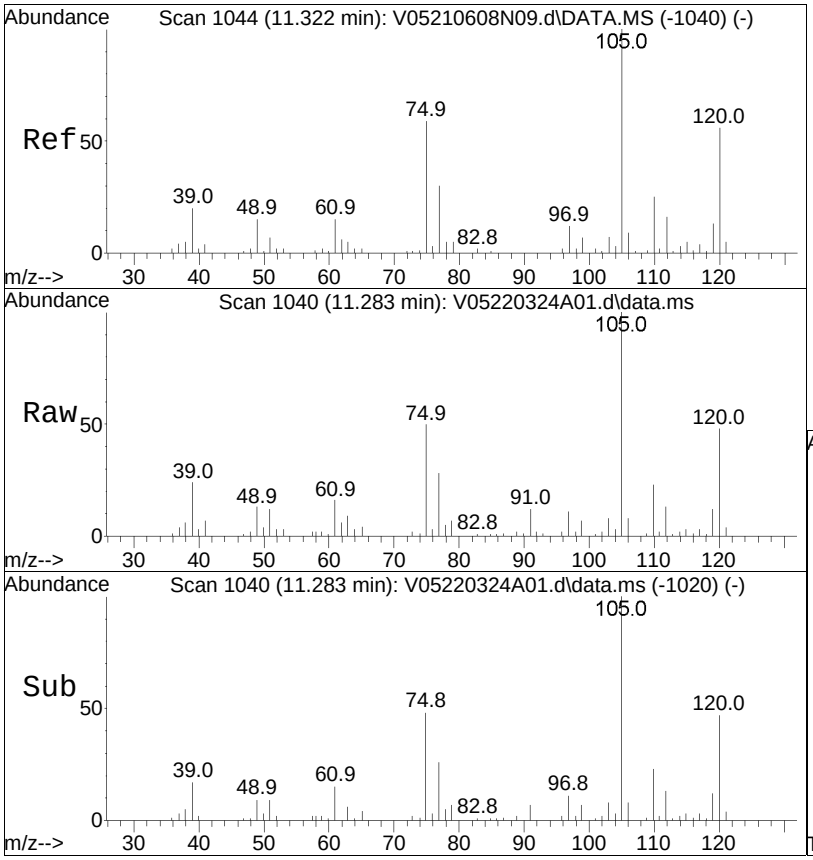


#90
1,3,5-Trimethylbenzene
Concen: 11.61 ug/L
RT: 11.263 min Scan# 1038
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:105 Resp: 389292

Ion	Ratio	Lower	Upper
105	100		
120	47.8	37.0	55.6

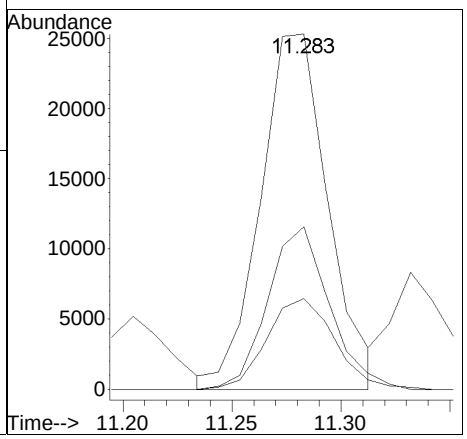


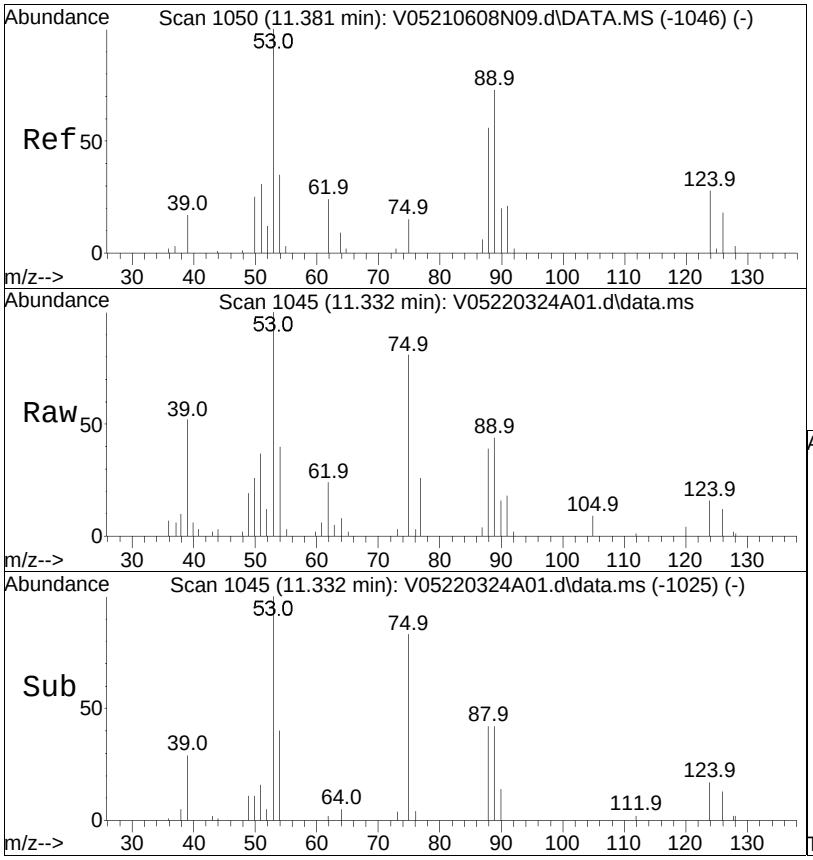


#91
1,2,3-Trichloropropane
Concen: 9.96 ug/L M1
RT: 11.283 min Scan# 1040
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 75 Resp: 54674

Ion	Ratio	Lower	Upper
75	100		
110	41.7	24.2	50.4
112	25.7	15.7	32.5

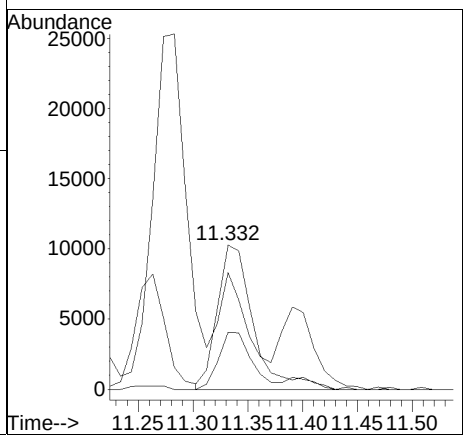


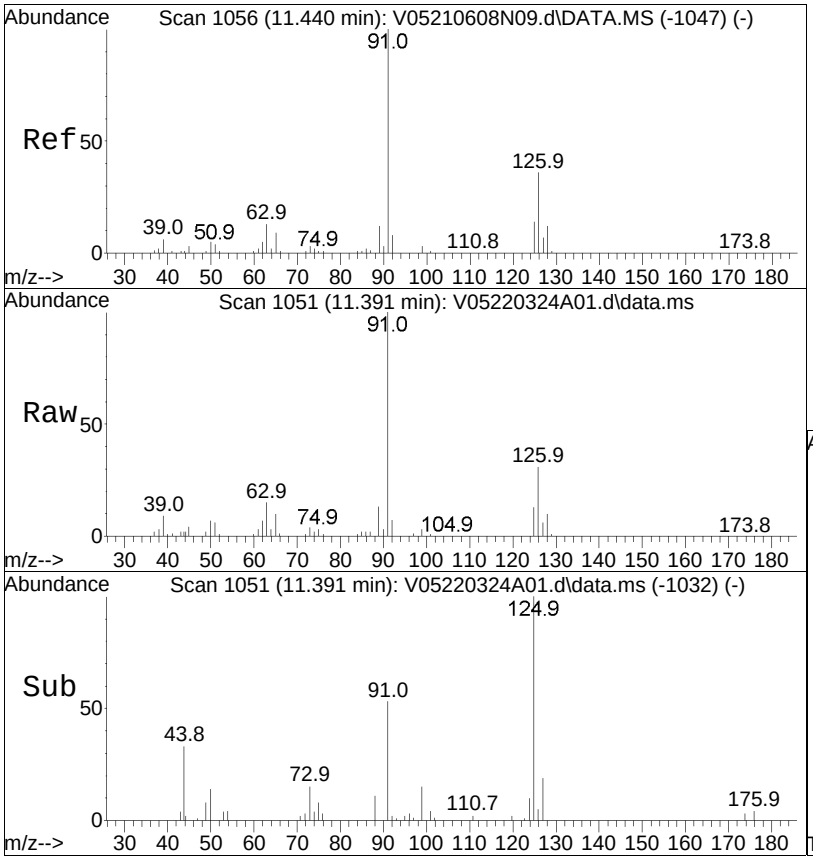


#92
trans-1,4-Dichloro-2-butene
Concen: 9.83 ug/L
RT: 11.332 min Scan# 1045
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 53 Resp: 23625

Ion	Ratio	Lower	Upper
53	100		
88	36.8	39.1	58.7#
75	61.7	58.6	88.0

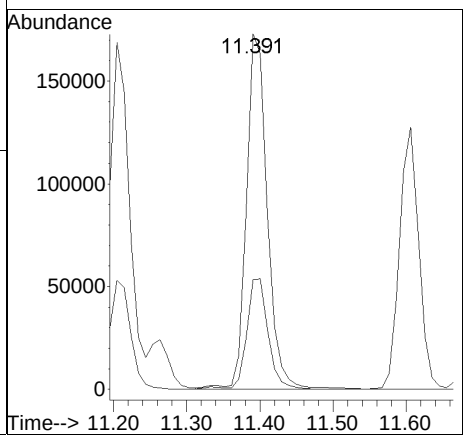


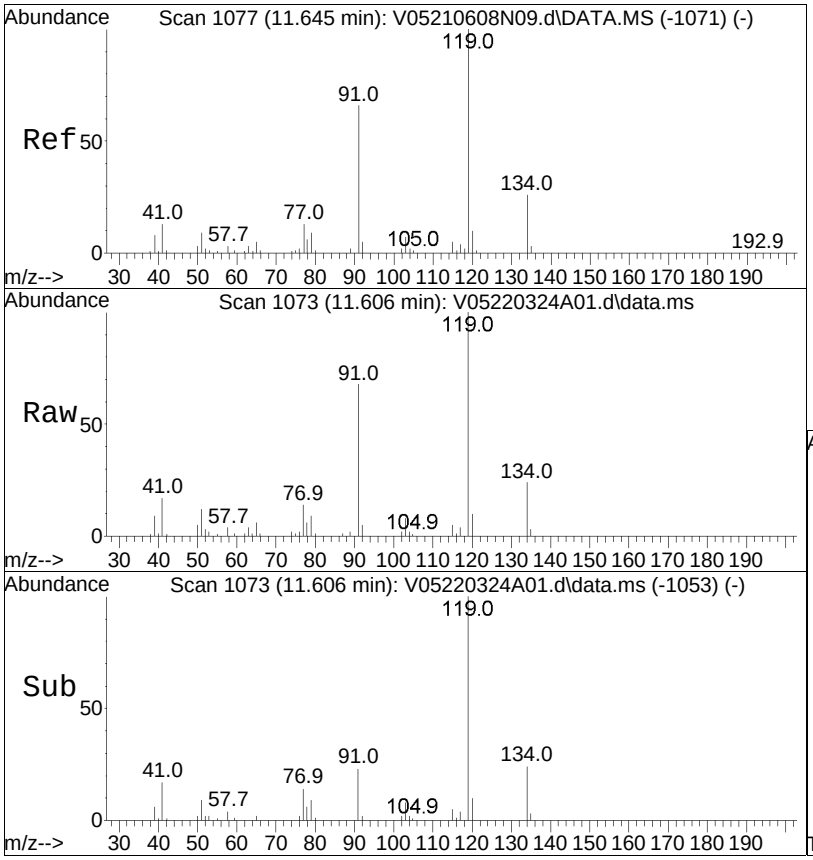


#93
4-Chlorotoluene
Concen: 11.70 ug/L
RT: 11.391 min Scan# 1051
Delta R.T. -0.009 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 91 Resp: 341462

Ion	Ratio	Lower	Upper
91	100		
126	31.8	24.6	36.8

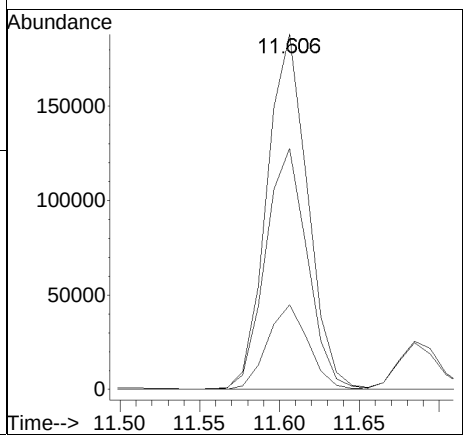


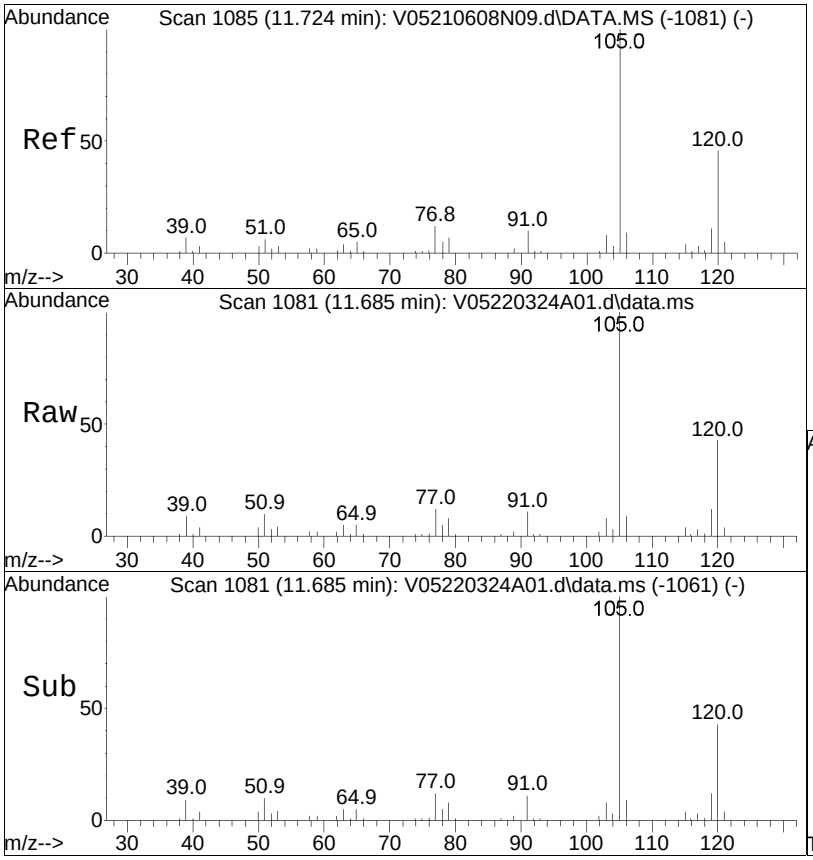


#94
tert-Butylbenzene
Concen: 11.63 ug/L
RT: 11.606 min Scan# 1073
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:119 Resp: 335464

Ion	Ratio	Lower	Upper
119	100		
91	69.4	49.2	73.8
134	23.8	18.3	27.5

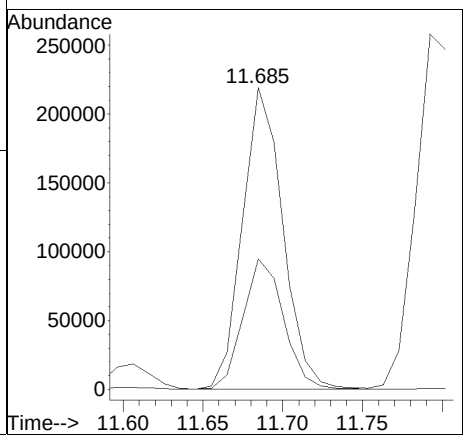


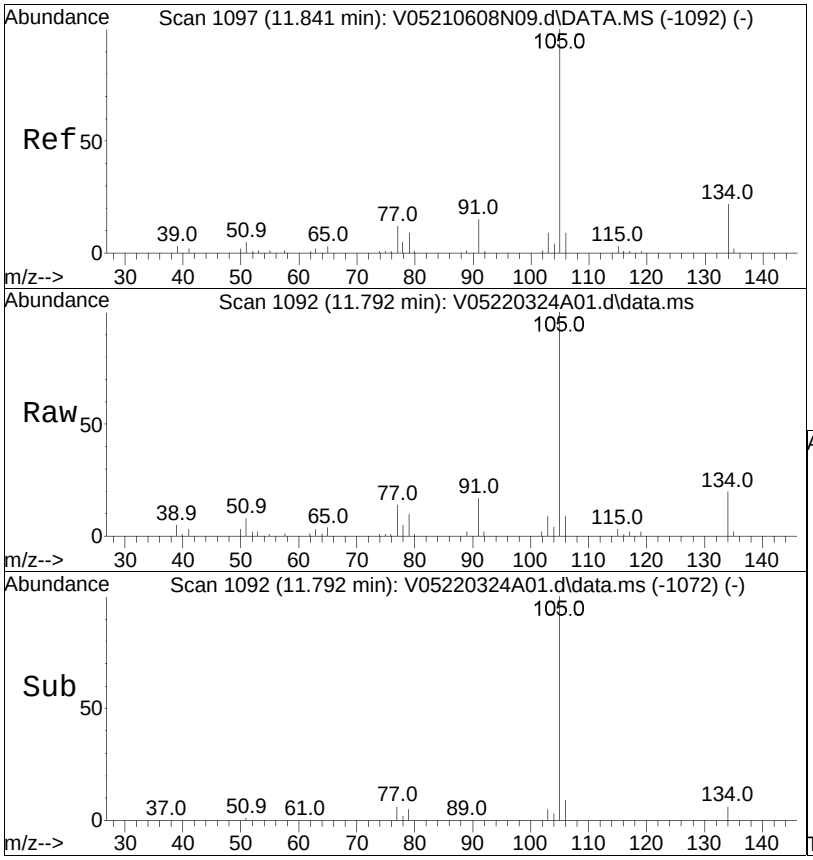


#97
1,2,4-Trimethylbenzene
Concen: 11.80 ug/L
RT: 11.685 min Scan# 1081
Delta R.T. 0.001 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:105 Resp: 385791

Ion	Ratio	Lower	Upper
105	100		
120	43.3	34.4	51.6

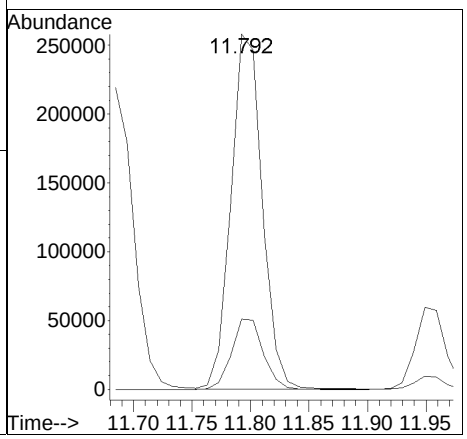


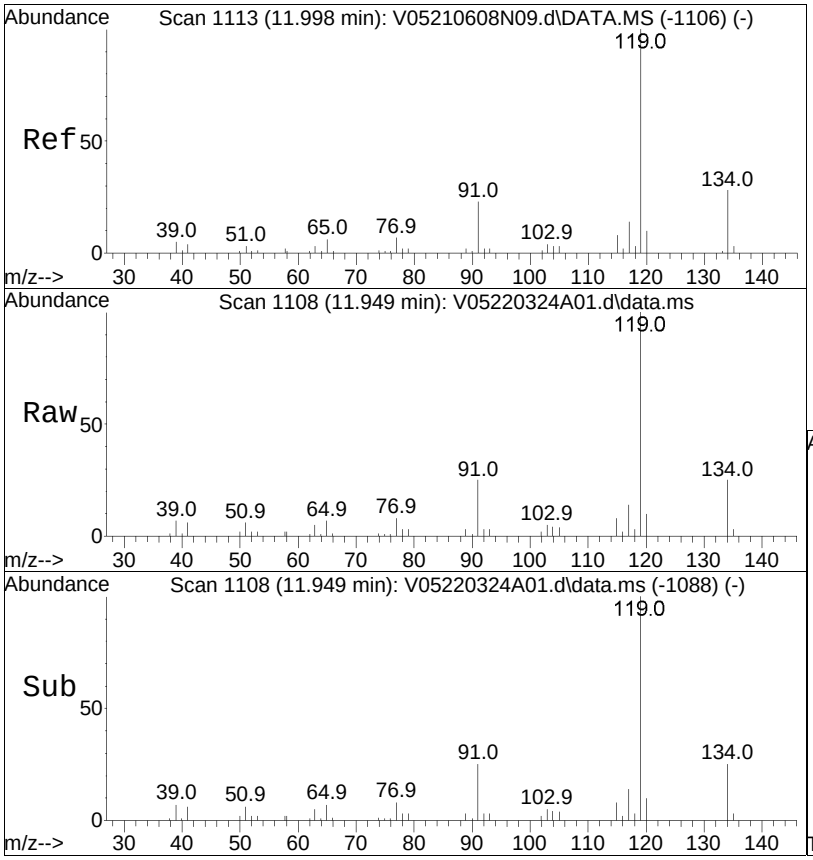


#98
sec-Butylbenzene
Concen: 11.64 ug/L
RT: 11.792 min Scan# 1092
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:105 Resp: 478265

Ion	Ratio	Lower	Upper
105	100		
134	20.1	12.9	26.9

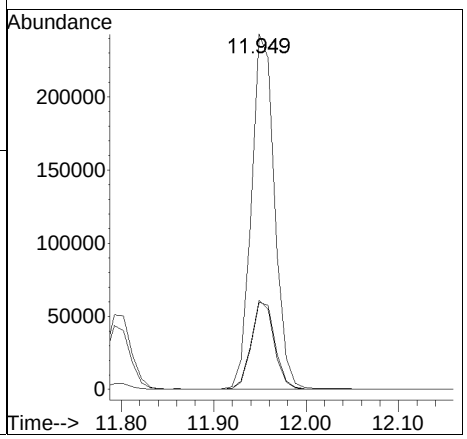


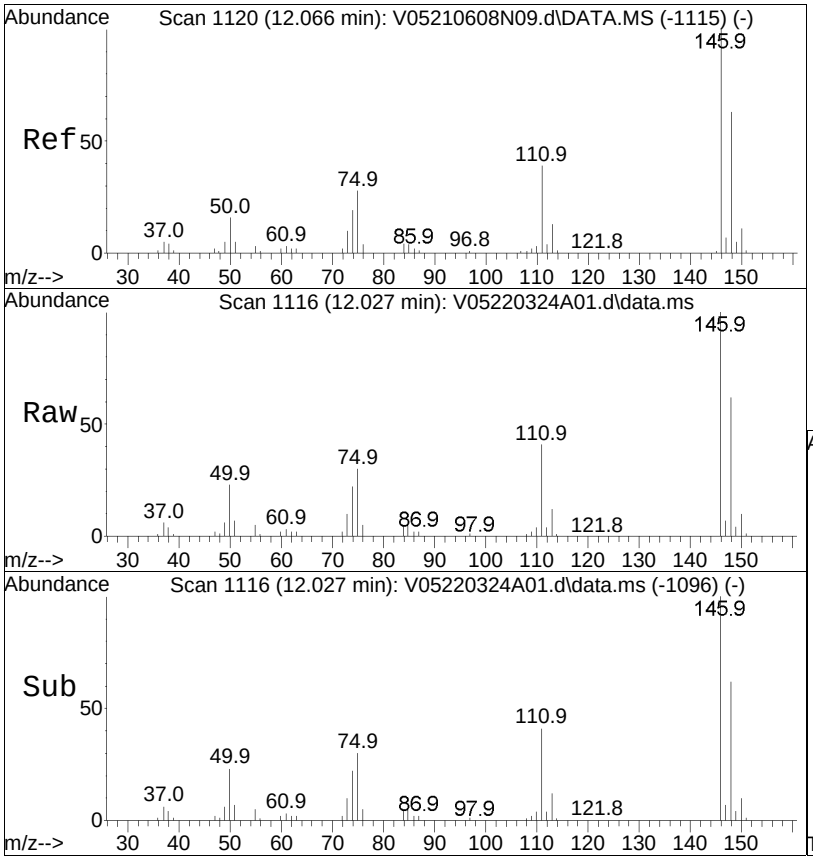


#99
p-Isopropyltoluene
Concen: 11.97 ug/L
RT: 11.949 min Scan# 1108
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:119 Resp: 424260

Ion	Ratio	Lower	Upper
119	100		
134	25.2	16.0	33.2
91	24.8	16.8	35.0

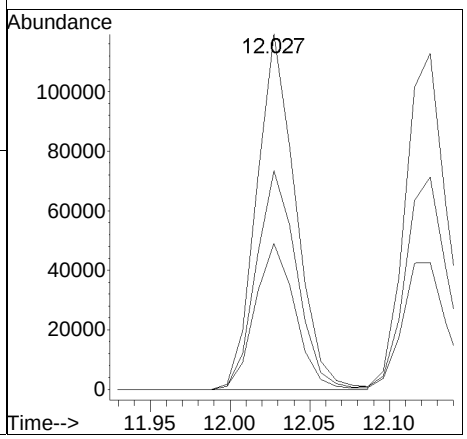


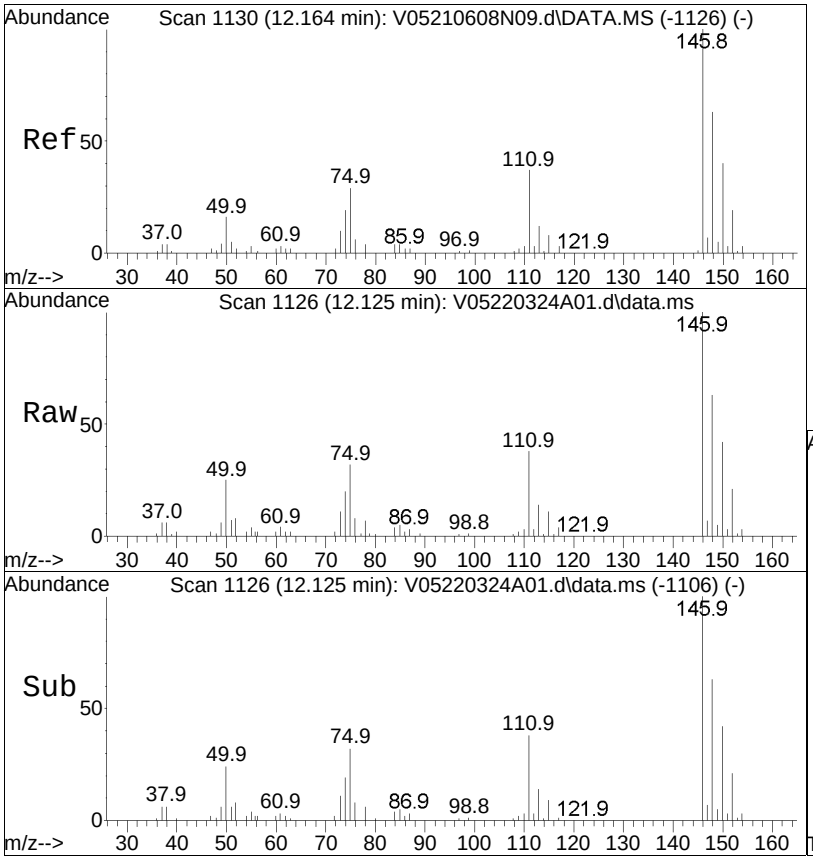


#100
1,3-Dichlorobenzene
Concen: 11.61 ug/L
RT: 12.027 min Scan# 1116
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:146 Resp: 202861

Ion	Ratio	Lower	Upper
146	100		
111	42.1	28.0	58.1
148	63.6	41.6	86.4

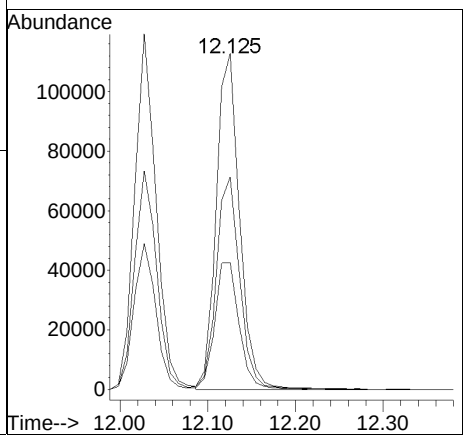


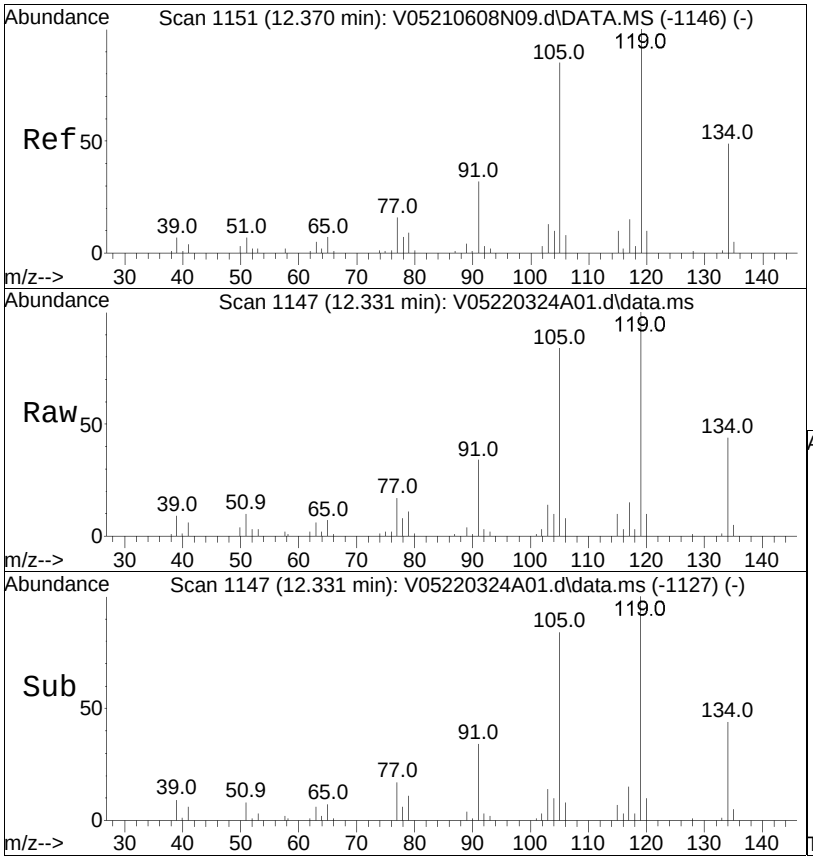


#101
1,4-Dichlorobenzene
Concen: 11.82 ug/L
RT: 12.125 min Scan# 1126
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:146 Resp: 209151

Ion	Ratio	Lower	Upper
146	100		
111	39.6	33.8	50.6
148	63.7	51.0	76.6

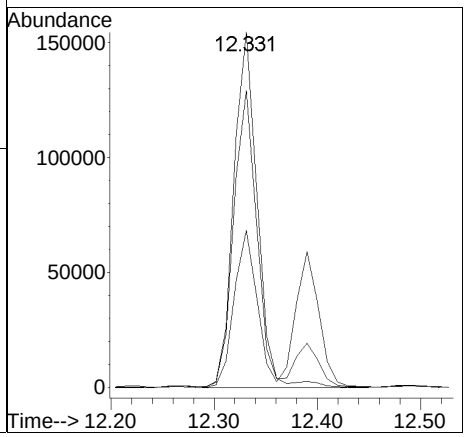


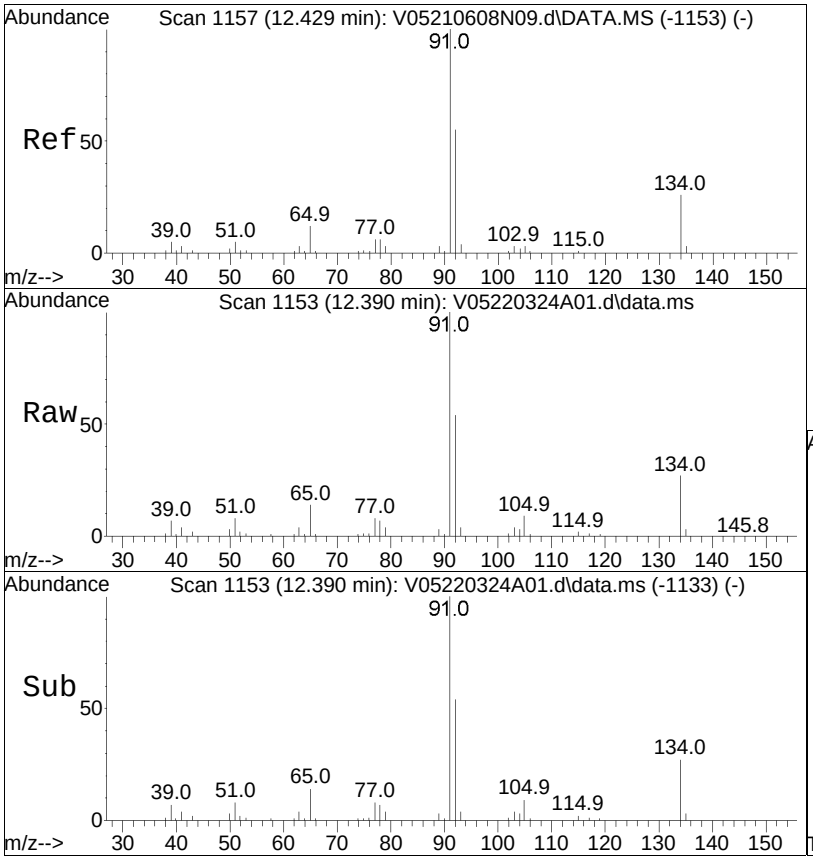


#102
p-Diethylbenzene
Concen: 12.23 ug/L
RT: 12.331 min Scan# 1147
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:119 Resp: 245403

Ion	Ratio	Lower	Upper
119	100		
105	81.0	54.6	113.4
134	43.3	29.0	60.2

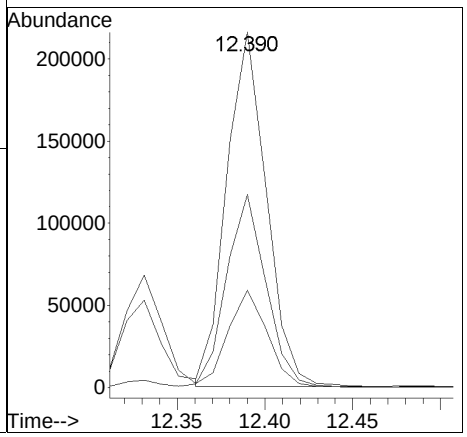


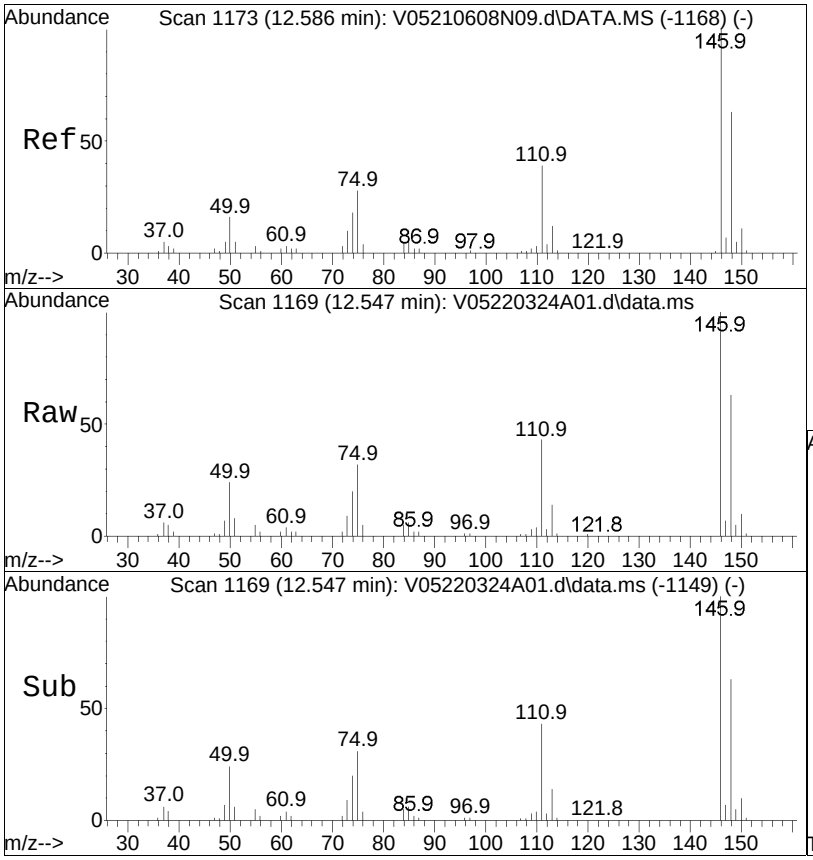


#103
n-Butylbenzene
Concen: 11.72 ug/L
RT: 12.390 min Scan# 1153
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion: 91 Resp: 341778

Ion	Ratio	Lower	Upper
91	100		
92	54.3	44.2	66.2
134	27.0	20.2	30.2

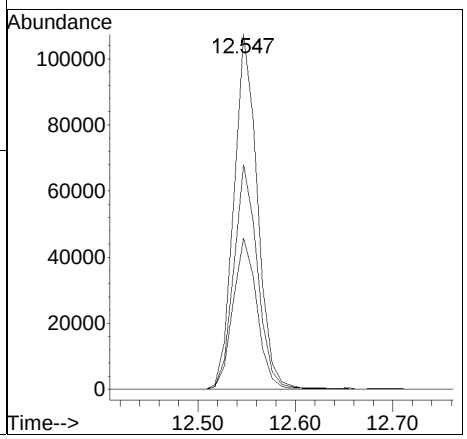


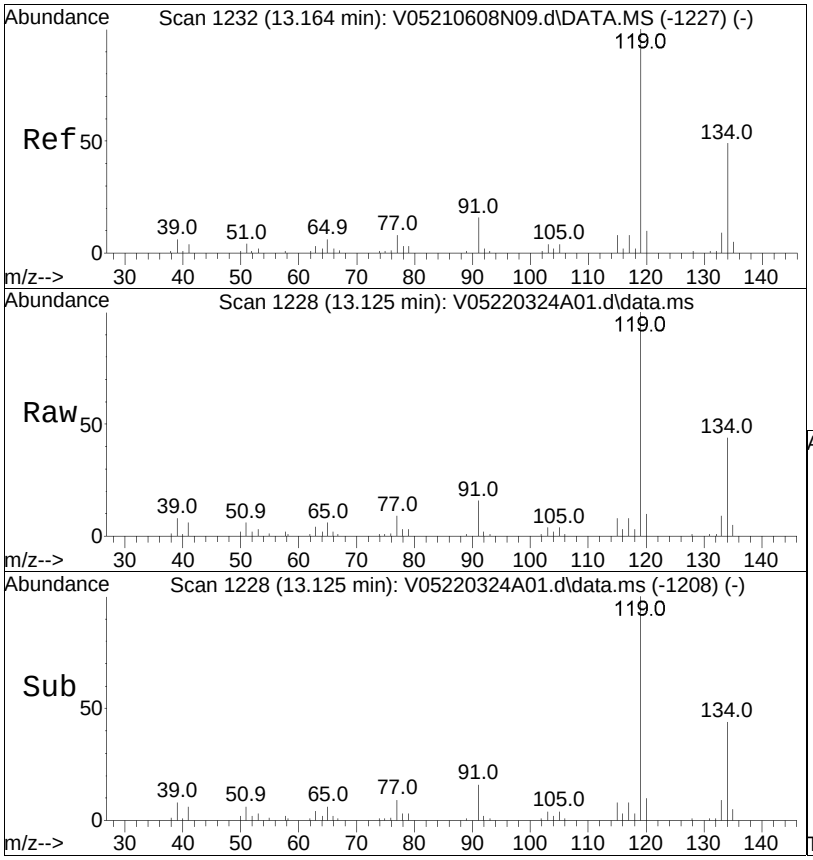


#104
1,2-Dichlorobenzene
Concen: 11.51 ug/L
RT: 12.547 min Scan# 1169
Delta R.T. 0.001 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:146 Resp: 181327

Ion	Ratio	Lower	Upper
146	100		
111	43.5	29.1	60.5
148	63.3	41.7	86.7

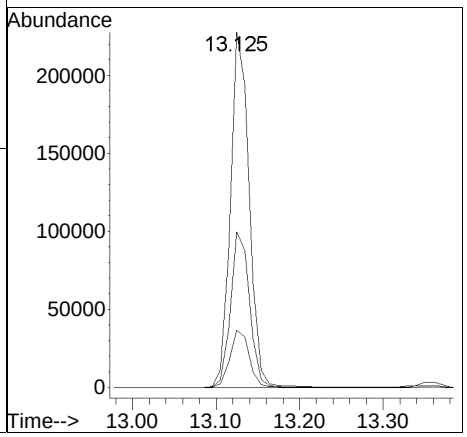


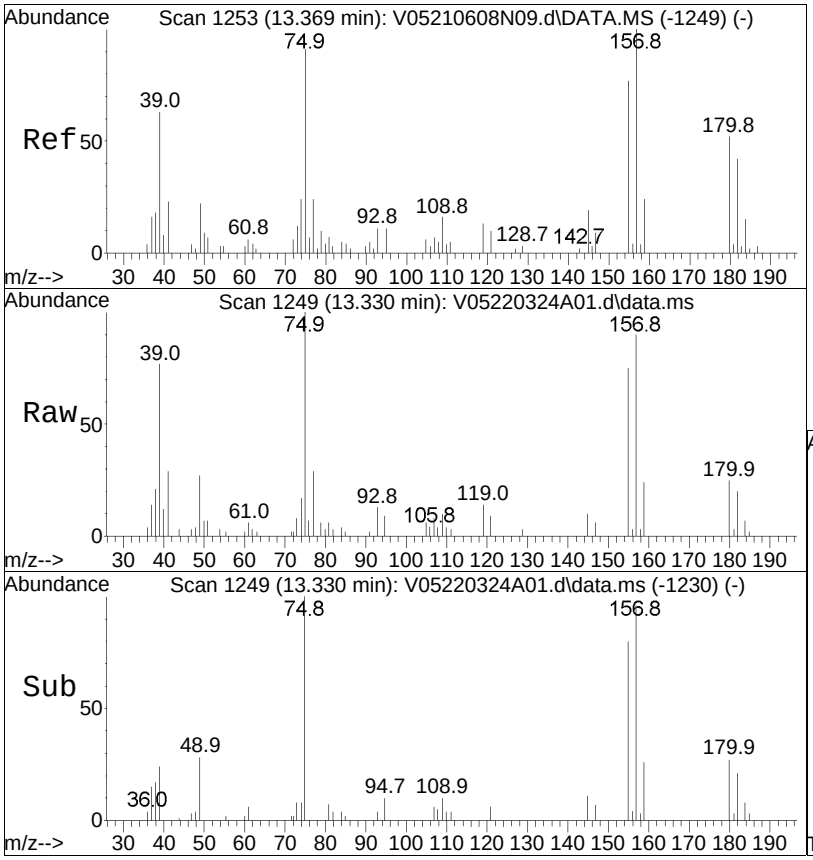


#105
1,2,4,5-Tetramethylbenzene
Concen: 12.08 ug/L
RT: 13.125 min Scan# 1228
Delta R.T. 0.001 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:119 Resp: 354239

Ion	Ratio	Lower	Upper
119	100		
134	44.4	28.7	59.7
91	16.6	11.6	24.0

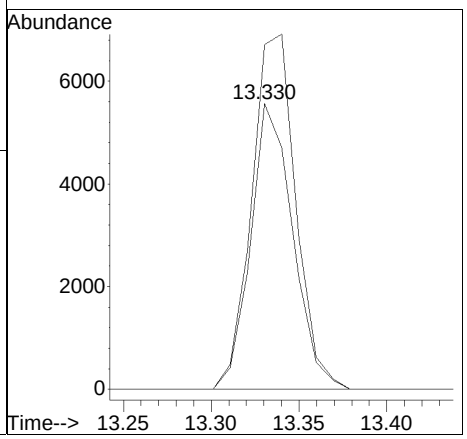


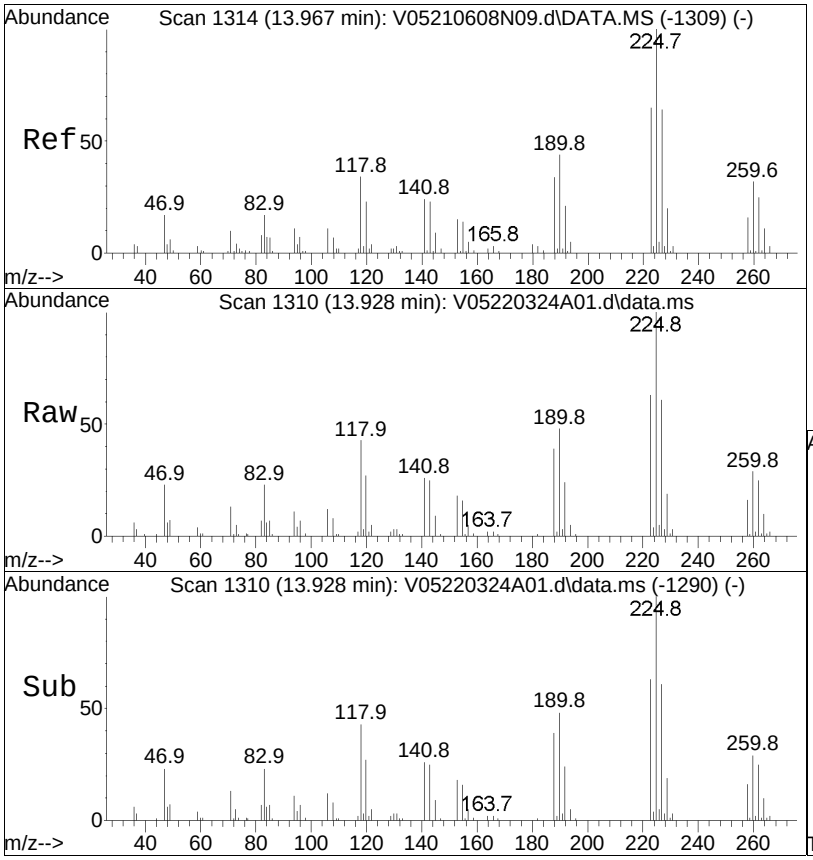


#106
1,2-Dibromo-3-chloropropane
Concen: 9.55 ug/L
RT: 13.330 min Scan# 1249
Delta R.T. -0.010 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:155 Resp: 9304

Ion	Ratio	Lower	Upper
155	100		
157	129.9	105.0	157.6

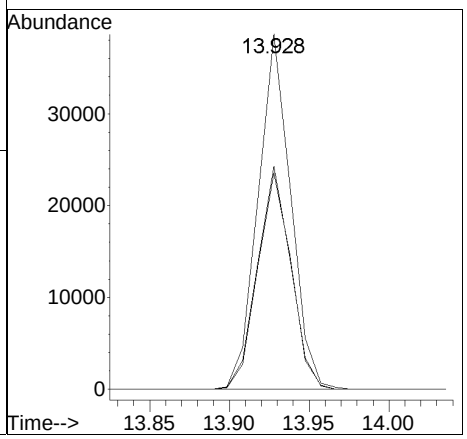


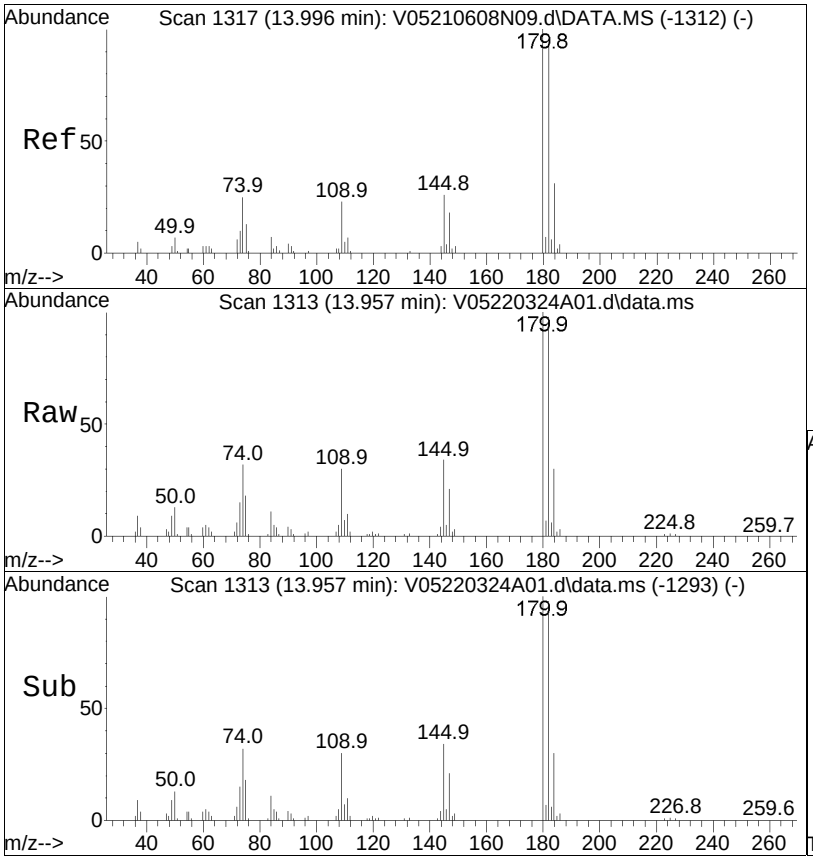


#108
Hexachlorobutadiene
Concen: 12.23 ug/L
RT: 13.928 min Scan# 1310
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:225 Resp: 55090

Ion	Ratio	Lower	Upper
225	100		
223	64.1	49.9	74.9
227	62.6	51.0	76.4

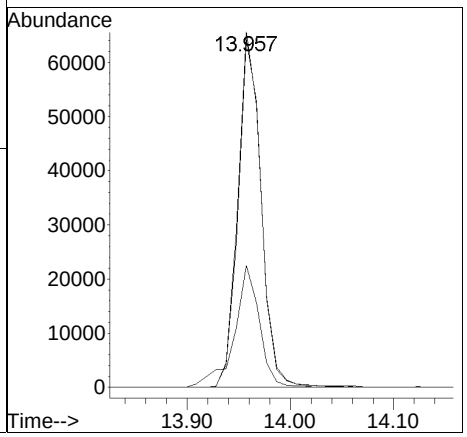


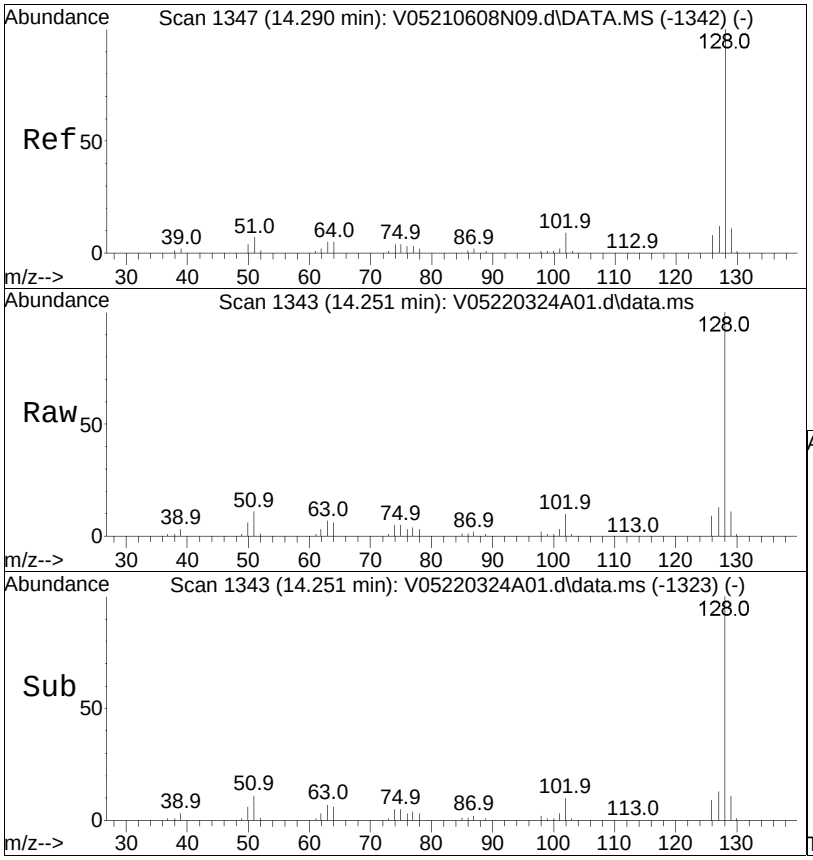


#109
1,2,4-Trichlorobenzene
Concen: 11.29 ug/L
RT: 13.957 min Scan# 1313
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:180 Resp: 102897

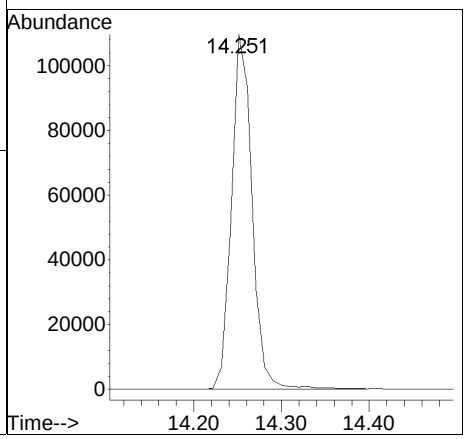
Ion	Ratio	Lower	Upper
180	100		
182	97.5	75.2	112.8
145	37.0	27.4	41.2

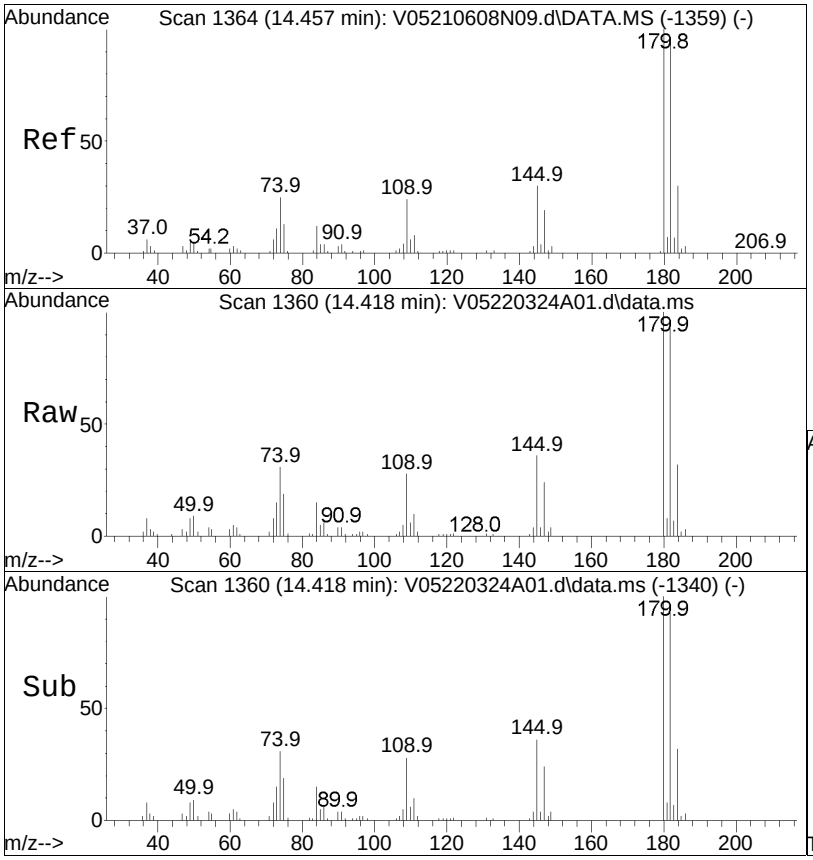




#110
Naphthalene
Concen: 10.30 ug/L
RT: 14.251 min Scan# 1343
Delta R.T. 0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:128 Resp: 179209

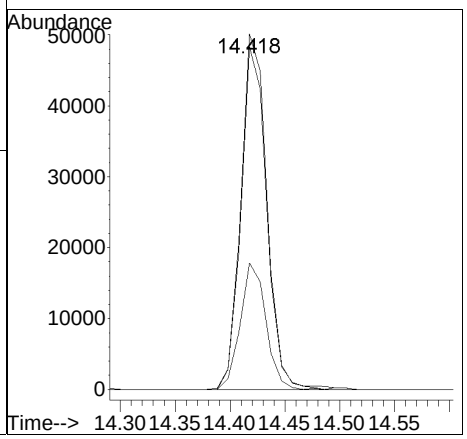




#111
1,2,3-Trichlorobenzene
Concen: 10.97 ug/L
RT: 14.418 min Scan# 1360
Delta R.T. -0.000 min
Lab File: V05220324A01.d
Acq: 24 Mar 2022 7:04 am

Tgt Ion:180 Resp: 82933

Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.5	113.3
145	34.9	26.5	39.7

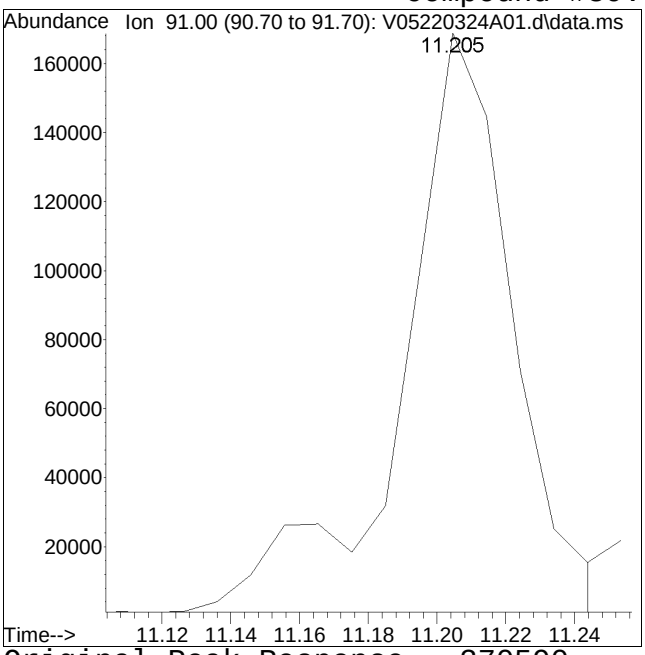


Manual Integration Report

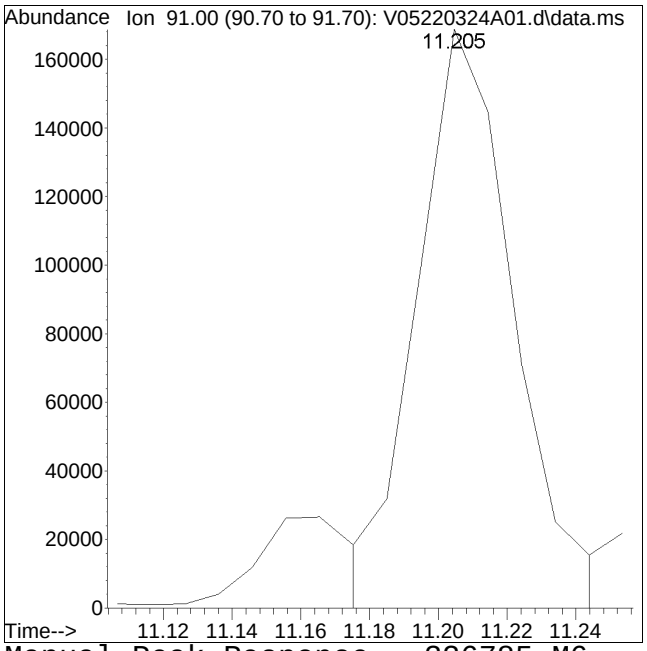
Data Path : I:\VOLATILES\VOA105\2022\2Q
Data File : V05220324A01.d
Date Inj'd : 3/24/2022 7:04 am
Sample : WG1619815-3,31,10,10

Method : V105_220208N_8260.m
Operator : VOA105:PD
Instrument : VOA 105
Quant Date : 3/24/2022 7:28 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 370590



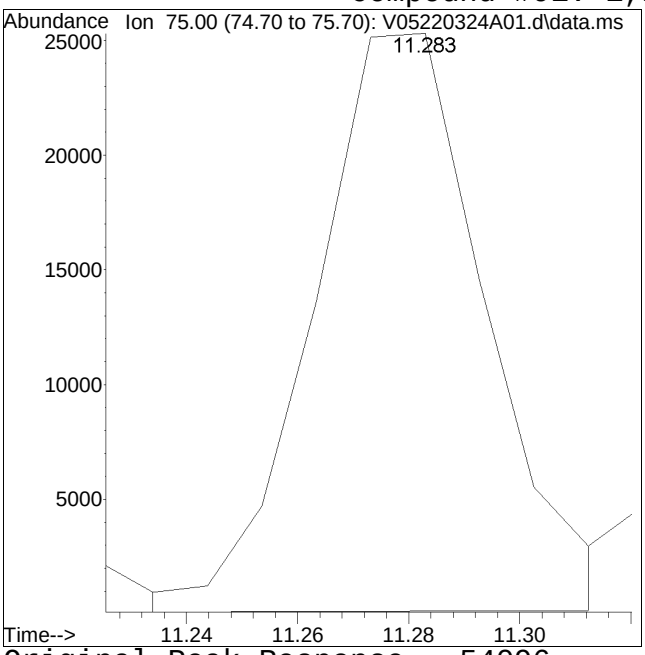
Manual Peak Response = 326785 M6

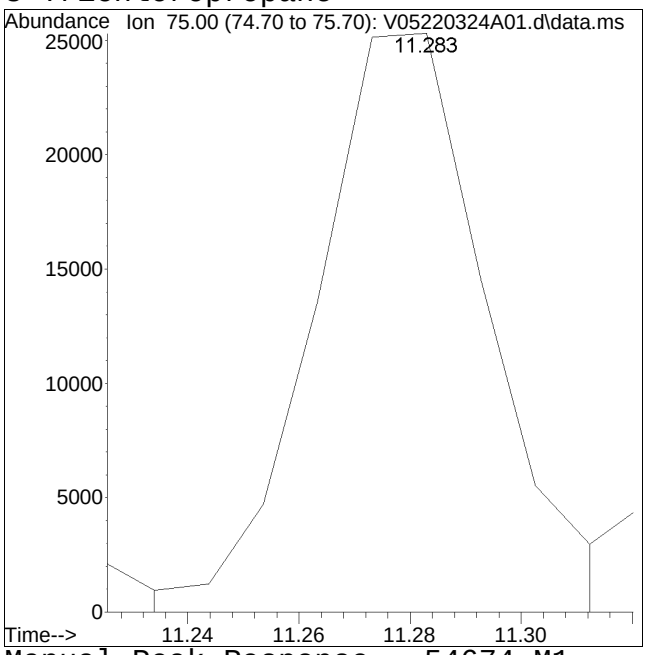
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220324A01.d Operator : VOA105:PD
Date Inj'd : 3/24/2022 7:04 am Instrument : VOA 105
Sample : WG1619815-3,31,10,10 Quant Date : 3/24/2022 7:28 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 54096 Manual Peak Response = 54674 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A01.D
Acq On : 29 Mar 2022 6:50 am
Operator : ELAINE:PD
Sample : WG1621241-3,31,10,10
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 07:19:04 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220329A\VE220329A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.309	96	198954	10.000	ug/L	0.00
Standard Area 1 = 198954			Recovery = 100.00%			
59) Chlorobenzene-d5	8.386	117	145633	10.000	ug/L	0.00
Standard Area 1 = 145633			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	9.894	152	74897	10.000	ug/L	0.00
Standard Area 1 = 74897			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.296	113	48990	10.042	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.42%			
43) 1,2-Dichloroethane-d4	4.961	65	53829	9.297	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.97%			
60) Toluene-d8	7.042	98	191366	10.025	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.25%			
83) 4-Bromofluorobenzene	9.221	95	70556	9.895	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.95%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.899	85	26851	8.476	ug/L	98
3) Chloromethane	1.010	50	43697	9.696	ug/L	98
4) Vinyl chloride	1.060	62	40750	9.773	ug/L	95
5) Bromomethane	1.255	94	14084	9.634	ug/L	99
6) Chloroethane	1.333	64	22944	12.106	ug/L	98
7) Trichlorofluoromethane	1.422	101	46090	10.045	ug/L	97
8) Ethyl ether	1.642	74	15910	9.492	ug/L	94
10) 1,1-Dichloroethene	1.767	96	26316	9.030	ug/L	91
11) Carbon disulfide	1.772	76	70673	10.292	ug/L	100
15) Methylene chloride	2.229	84	35617	9.784	ug/L	95
17) Acetone	2.282	43	7307	8.485	ug/L	95
18) trans-1,2-Dichloroethene	2.365	96	29749	9.570	ug/L	92
20) Methyl tert-butyl ether	2.479	73	61388	8.309	ug/L #	85
23) 1,1-Dichloroethane	2.966	63	70361	10.187	ug/L	96
25) Acrylonitrile	3.041	53	9992	8.782	ug/L	98
27) Vinyl acetate	3.314	43	68049	8.400	ug/L #	94
28) cis-1,2-Dichloroethene	3.620	96	34997	9.760	ug/L	87
29) 2,2-Dichloropropane	3.745	77	42711	10.592	ug/L #	69
30) Bromochloromethane	3.879	128	15274	9.289	ug/L	96
32) Chloroform	4.043	83	54847	9.391	ug/L	92

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A01.D
Acq On : 29 Mar 2022 6:50 am
Operator : ELAINE:PD
Sample : WG1621241-3,31,10,10
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 07:19:04 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220329A\VE220329A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	4.160	117	41276	9.844	ug/L		98
37) 1,1,1-Trichloroethane	4.268	97	46645	9.779	ug/L		96
39) 2-Butanone	4.499	43	8781	7.080	ug/L	#	68
40) 1,1-Dichloropropene	4.446	75	41807	9.807	ug/L		97
41) Benzene	4.769	78	129740	9.500	ug/L		97
44) 1,2-Dichloroethane	5.044	62	46625	9.918	ug/L		99
48) Trichloroethene	5.509	95	31098	9.352	ug/L		94
50) Dibromomethane	5.971	93	16503	9.277	ug/L		91
51) 1,2-Dichloropropane	6.082	63	40379	10.435	ug/L	#	91
54) Bromodichloromethane	6.199	83	42439	9.749	ug/L		98
57) 1,4-Dioxane	6.424	88	10178	542.043	ug/L		97
58) cis-1,3-Dichloropropene	6.870	75	46138	9.269	ug/L		95
61) Toluene	7.092	92	85063	9.901	ug/L		95
62) 4-Methyl-2-pentanone	7.526	58	8070	7.742	ug/L		79
63) Tetrachloroethene	7.459	166	32500	10.083	ug/L		88
65) trans-1,3-Dichloropropene	7.543	75	36266	8.999	ug/L		88
68) 1,1,2-Trichloroethane	7.676	83	19640	9.061	ug/L		94
69) Chlorodibromomethane	7.813	129	27099	9.034	ug/L		93
70) 1,3-Dichloropropane	7.893	76	43175	8.991	ug/L		100
71) 1,2-Dibromoethane	7.974	107	21037	8.006	ug/L		97
72) 2-Hexanone	8.233	43	14950	8.476	ug/L	#	91
73) Chlorobenzene	8.400	112	92943	10.175	ug/L		91
74) Ethylbenzene	8.439	91	157089	10.416	ug/L		99
75) 1,1,1,2-Tetrachloroethane	8.461	131	28361	9.446	ug/L		93
76) p/m Xylene	8.550	106	122618	21.202	ug/L		99
77) o Xylene	8.837	106	119135	20.872	ug/L		93
78) Styrene	8.878	104	192973	21.073	ug/L		90
80) Bromoform	8.881	173	14719	8.415	ug/L		92
82) Isopropylbenzene	9.051	105	147671	10.207	ug/L		96
84) Bromobenzene	9.276	156	37639	10.152	ug/L		98
85) n-Propylbenzene	9.312	91	165860	10.073	ug/L		96
87) 1,1,2,2-Tetrachloroethane	9.374	83	24120	8.089	ug/L		94
88) 4-Ethyltoluene	9.385	105	137600	10.097	ug/L		95
89) 2-Chlorotoluene	9.396	91	123183	10.023	ug/L		94
90) 1,3,5-Trimethylbenzene	9.440	105	117037	10.105	ug/L		91
91) 1,2,3-Trichloropropane	9.440	75	22196	8.720	ug/L		93
92) trans-1,4-Dichloro-2-b...	9.474	53	8969	8.483	ug/L	#	79
93) 4-Chlorotoluene	9.502	91	111522	9.908	ug/L		94
94) tert-Butylbenzene	9.624	119	94235	10.158	ug/L		98

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A01.D
Acq On : 29 Mar 2022 6:50 am
Operator : ELAINE:PD
Sample : WG1621241-3,31,10,10
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 07:19:04 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220329A\VE220329A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	9.668	105	117652	9.957	ug/L	94
98) sec-Butylbenzene	9.730	105	122217	9.937	ug/L	99
99) p-Isopropyltoluene	9.819	119	103833	9.300	ug/L	96
100) 1,3-Dichlorobenzene	9.849	146	66468	9.986	ug/L	99
101) 1,4-Dichlorobenzene	9.902	146	68533	10.154	ug/L	99
102) p-Diethylbenzene	10.030	119	57271	9.249	ug/L	92
103) n-Butylbenzene	10.064	91	79766	9.194	ug/L	98
104) 1,2-Dichlorobenzene	10.144	146	62741	9.710	ug/L	100
105) 1,2,4,5-Tetramethylben...	10.486	119	86563	8.776	ug/L	97
106) 1,2-Dibromo-3-chloropr...	10.603	155	3172	8.084	ug/L	80
108) Hexachlorobutadiene	10.959	225	10455	9.946	ug/L	96
109) 1,2,4-Trichlorobenzene	10.976	180	32614	9.039	ug/L	97
110) Naphthalene	11.154	128	73381	7.907	ug/L	100
111) 1,2,3-Trichlorobenzene	11.257	180	29363	8.847	ug/L	98

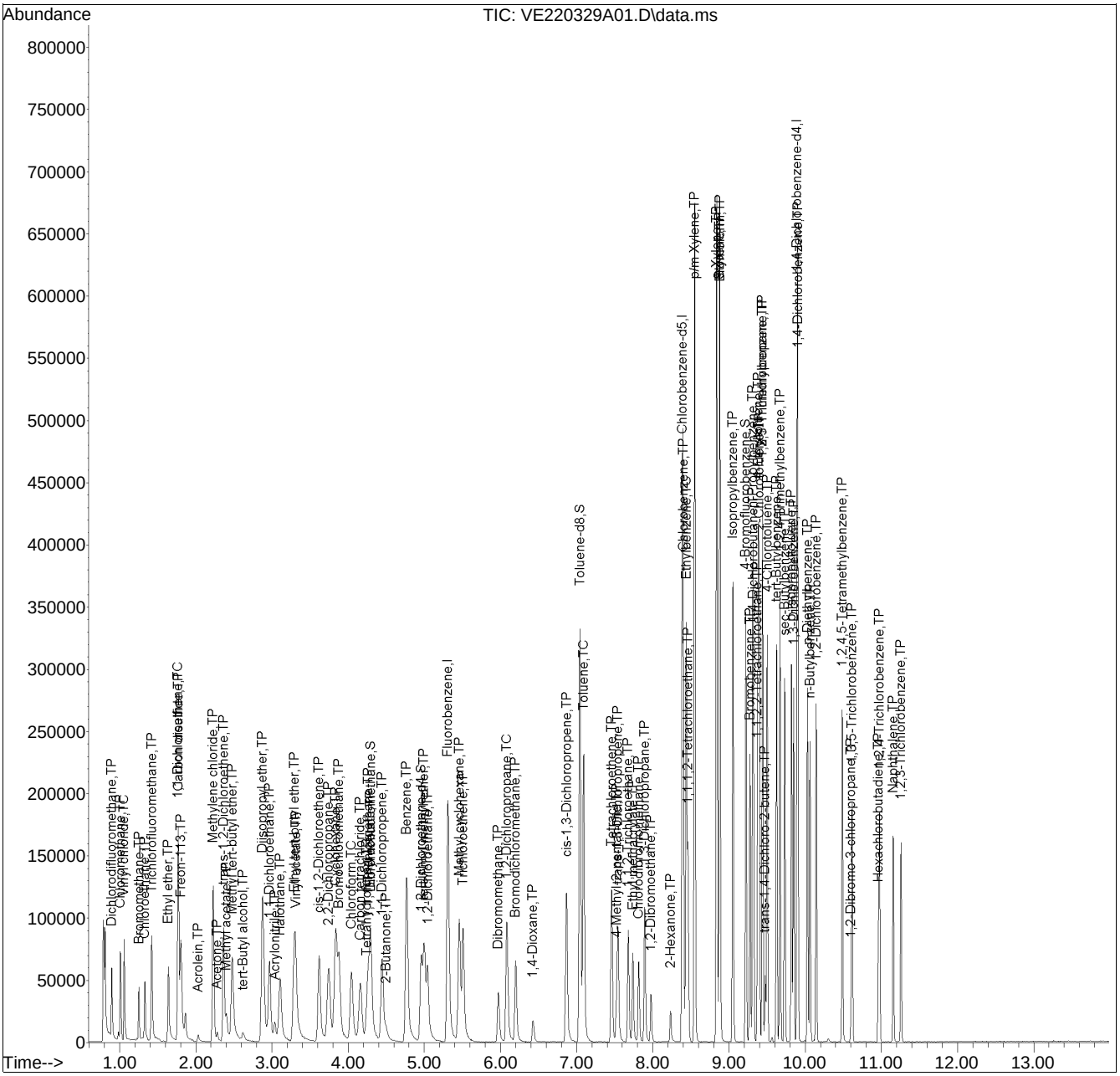
(#) = qualifier out of range (m) = manual integration (+) = signals summed

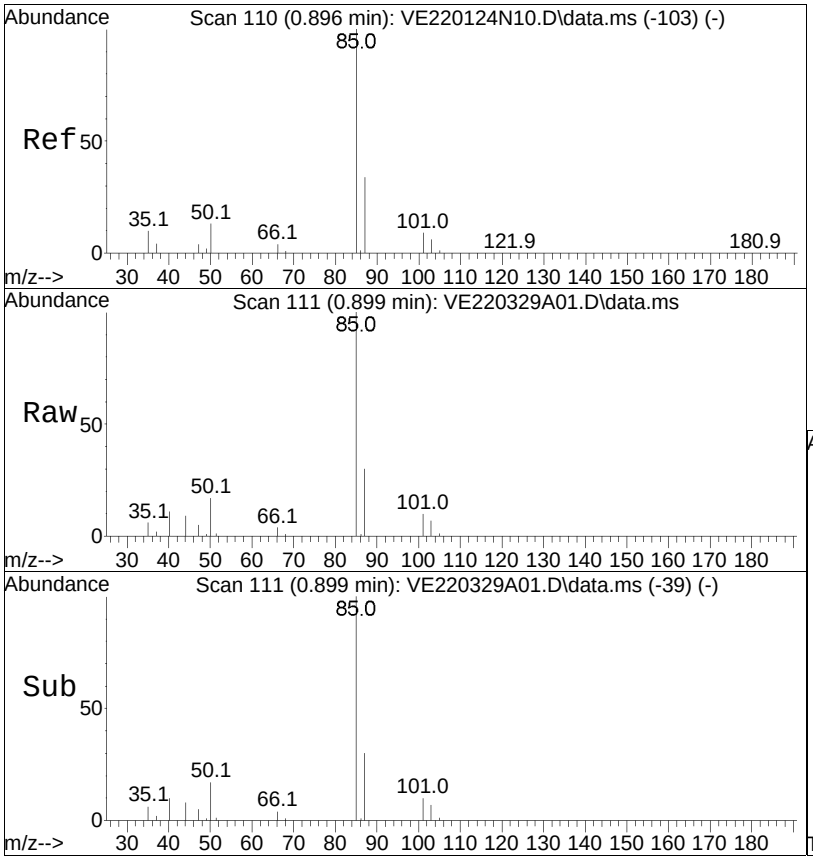
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A01.D
Acq On : 29 Mar 2022 6:50 am
Operator : ELAINE:PD
Sample : WG1621241-3,31,10,10
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 07:19:04 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

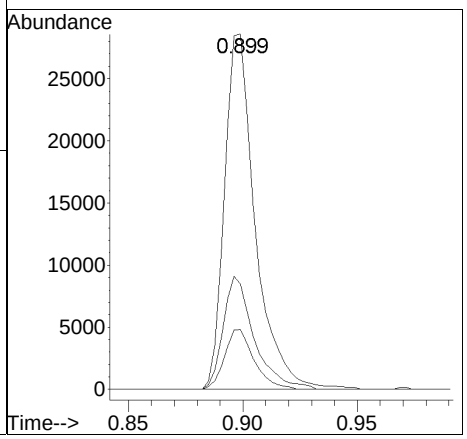


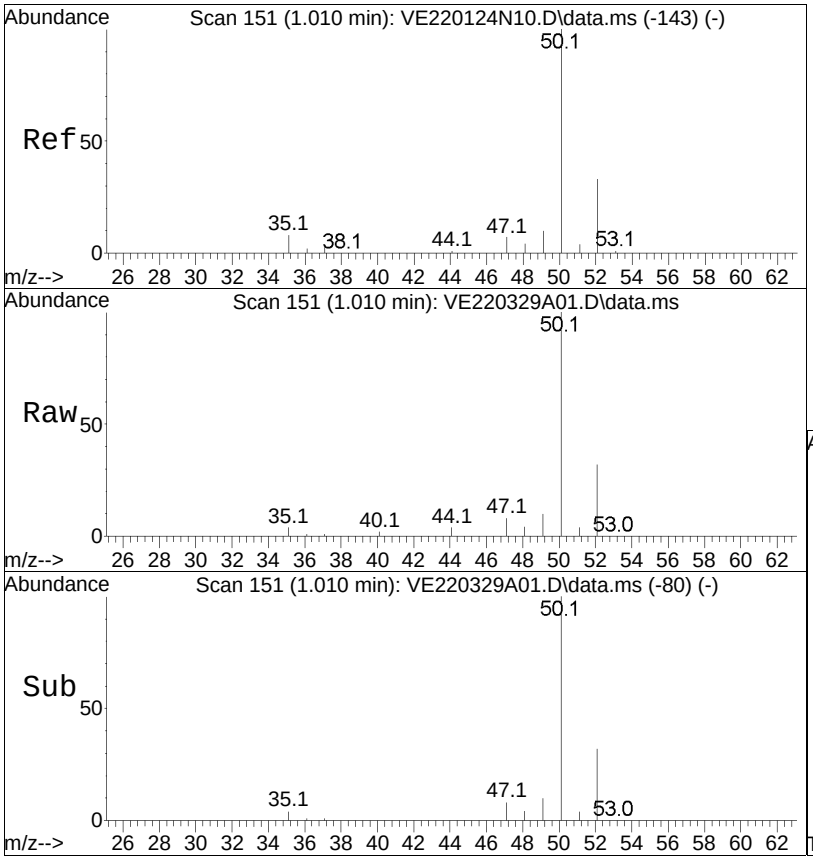


#2
Dichlorodifluoromethane
Concen: 8.48 ug/L
RT: 0.899 min Scan# 111
Delta R.T. -0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 85 Resp: 26851

Ion	Ratio	Lower	Upper
85	100		
87	32.0	21.0	43.6
50	16.2	8.9	18.5

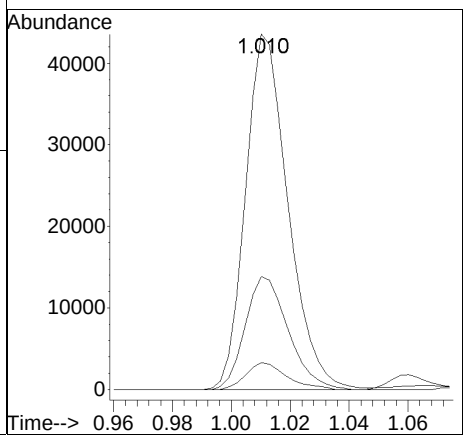


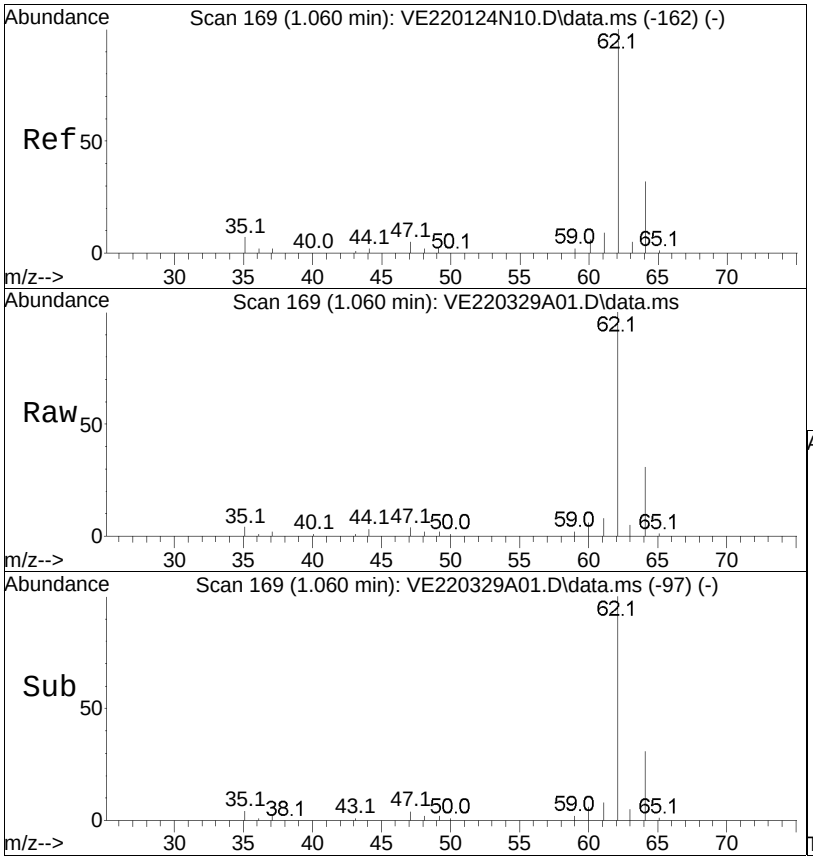


#3
Chloromethane
Concen: 9.70 ug/L
RT: 1.010 min Scan# 151
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 50 Resp: 43697

Ion	Ratio	Lower	Upper
50	100		
52	32.1	12.9	52.9
47	7.2	0.0	28.3

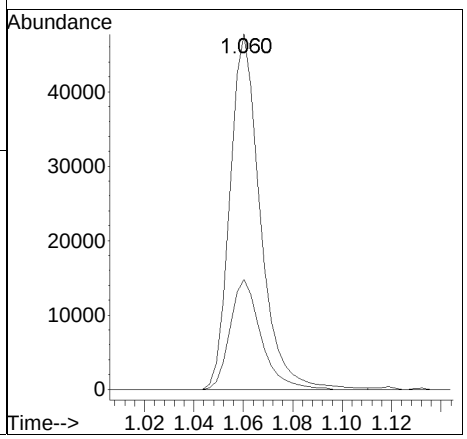


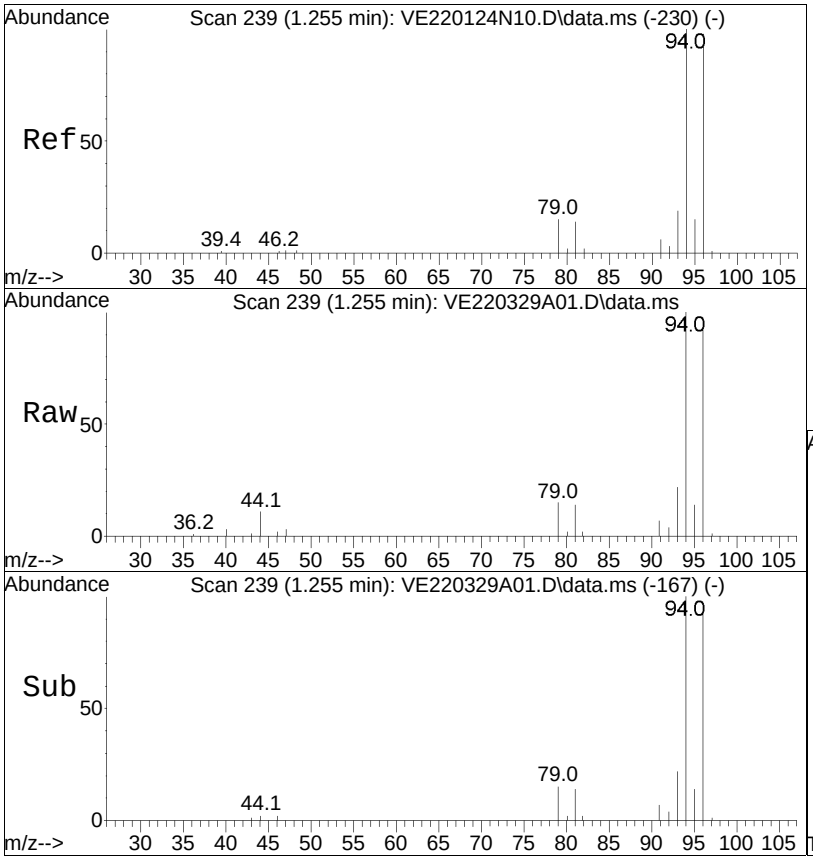


#4
Vinyl chloride
Concen: 9.77 ug/L
RT: 1.060 min Scan# 169
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 62 Resp: 40750

Ion	Ratio	Lower	Upper
62	100		
64	31.5	9.1	49.1

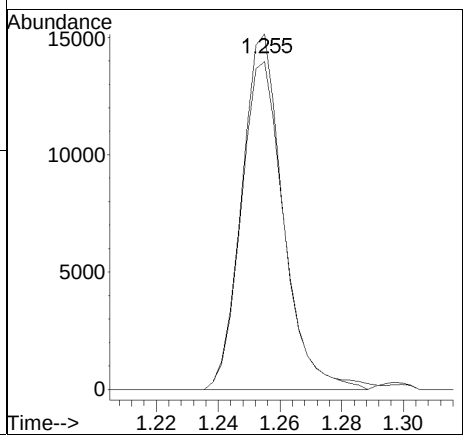


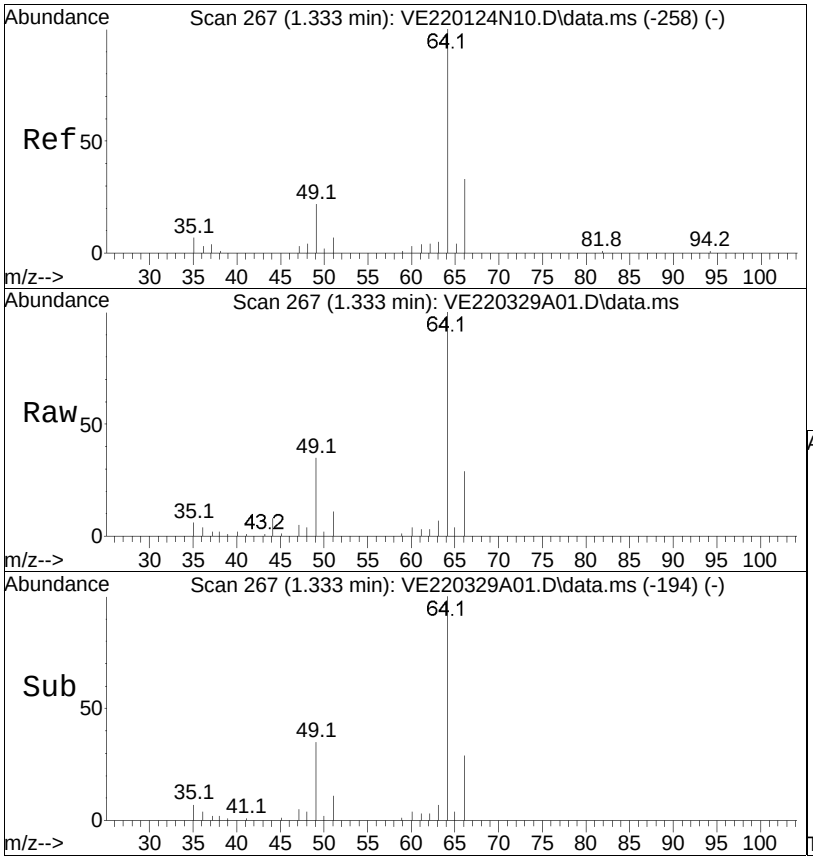


#5
Bromomethane
Concen: 9.63 ug/L
RT: 1.255 min Scan# 239
Delta R.T. -0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 94 Resp: 14084

Ion	Ratio	Lower	Upper
94	100		
96	96.6	75.6	115.6

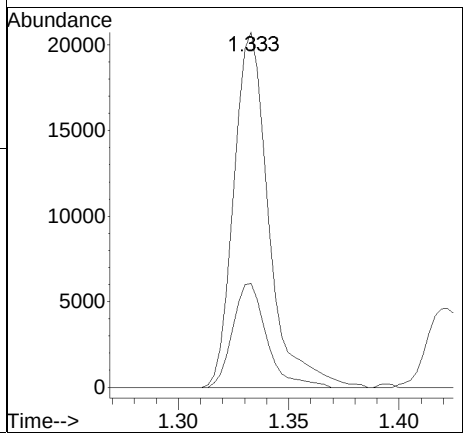


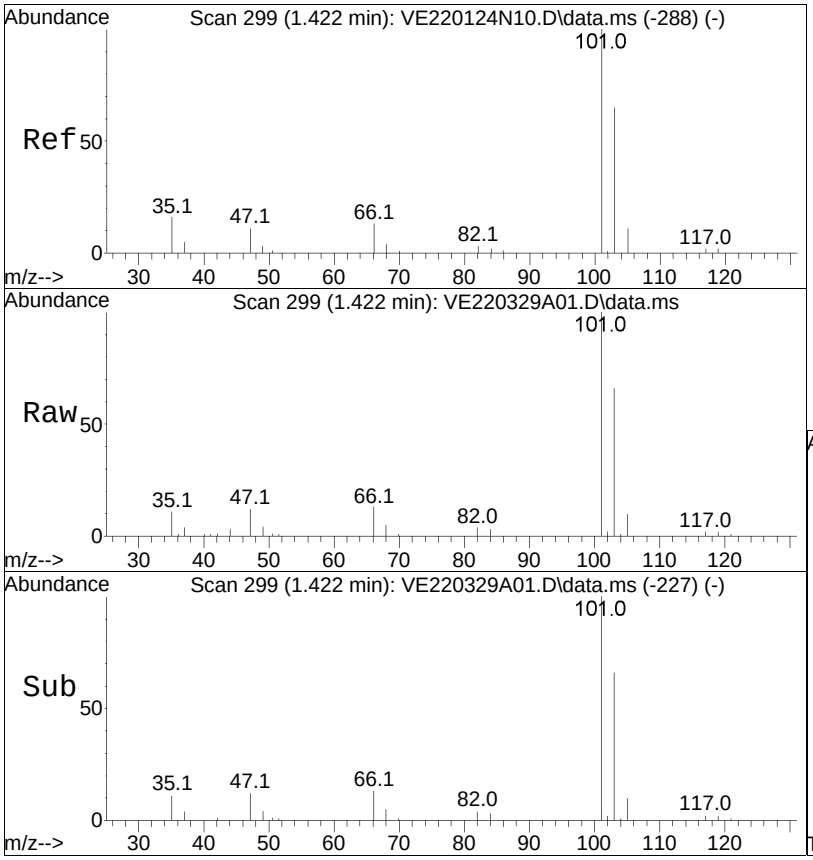


#6
Chloroethane
Concen: 12.11 ug/L
RT: 1.333 min Scan# 267
Delta R.T. 0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 64 Resp: 22944

Ion	Ratio	Lower	Upper
64	100		
66	28.5	9.8	49.8

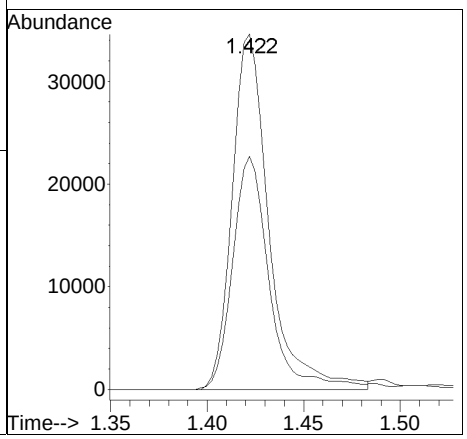


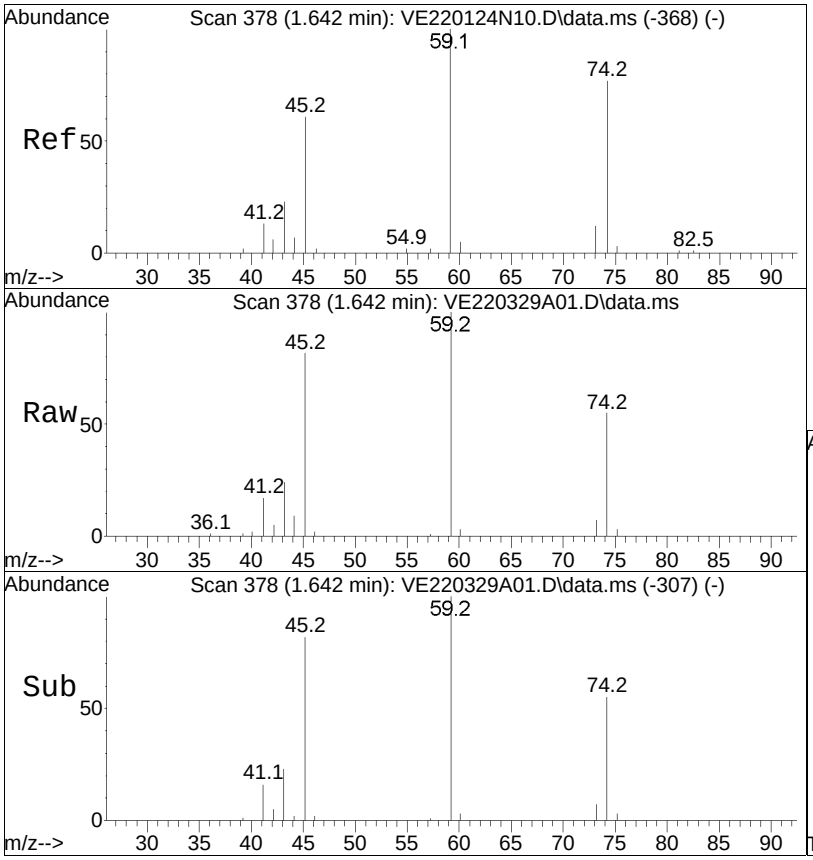


#7
Trichlorofluoromethane
Concen: 10.04 ug/L
RT: 1.422 min Scan# 299
Delta R.T. -0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:101 Resp: 46090

Ion	Ratio	Lower	Upper
101	100		
103	65.0	53.8	80.6

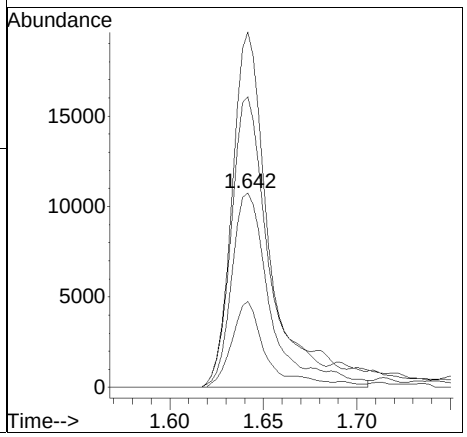


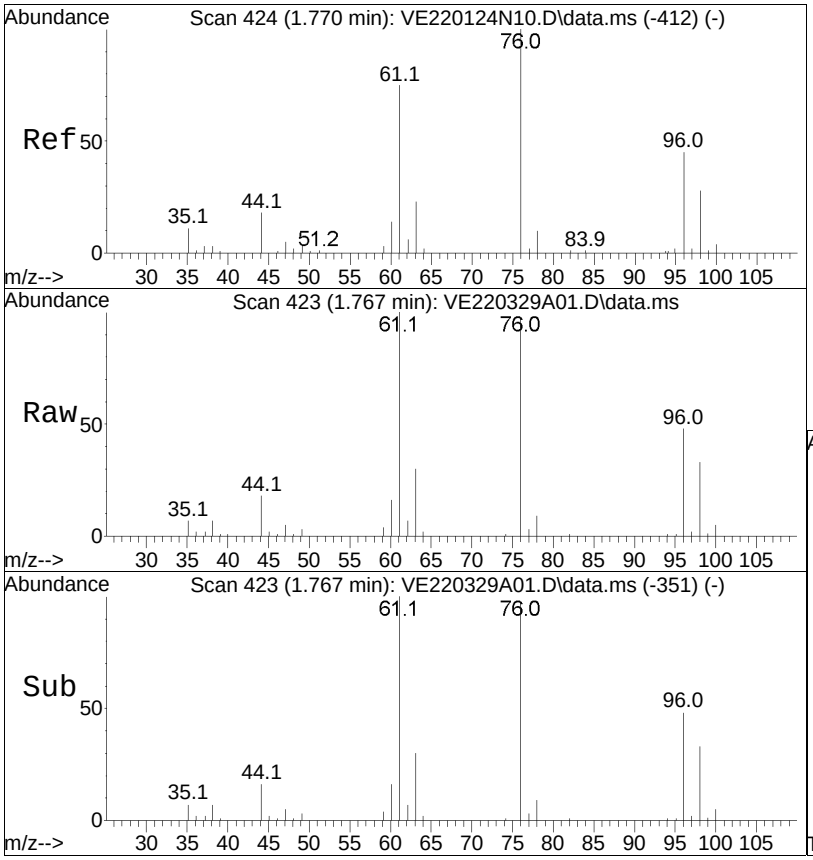


#8
Ethyl ether
Concen: 9.49 ug/L
RT: 1.642 min Scan# 378
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 74 Resp: 15910

Ion	Ratio	Lower	Upper
74	100		
59	172.4	122.2	253.8
45	142.8	91.9	190.9
43	38.4	25.2	52.2

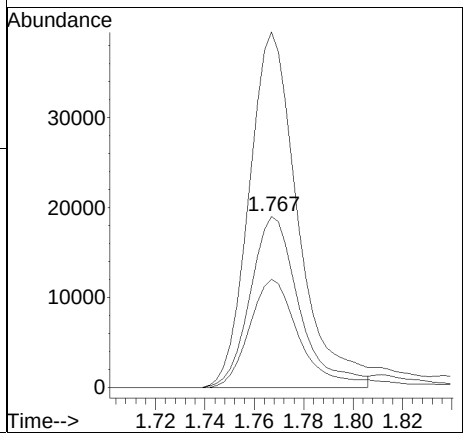


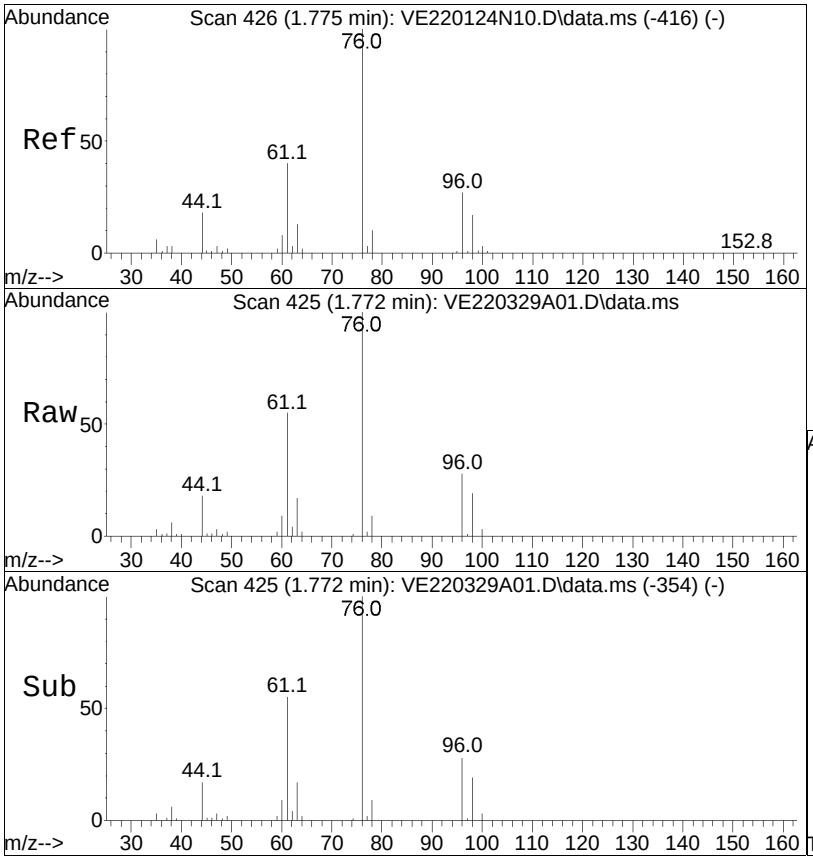


#10
1,1-Dichloroethene
Concen: 9.03 ug/L
RT: 1.767 min Scan# 423
Delta R.T. -0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 96 Resp: 26316

Ion	Ratio	Lower	Upper
96	100		
61	216.4	186.1	279.1
63	67.8	57.6	86.4

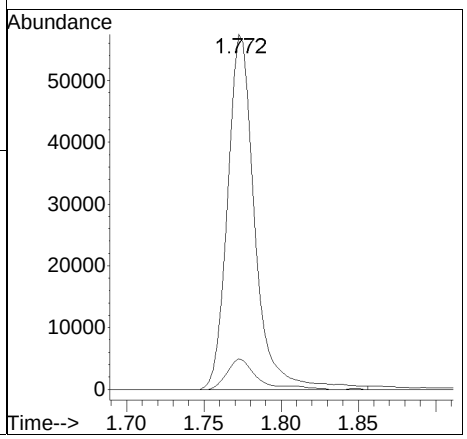


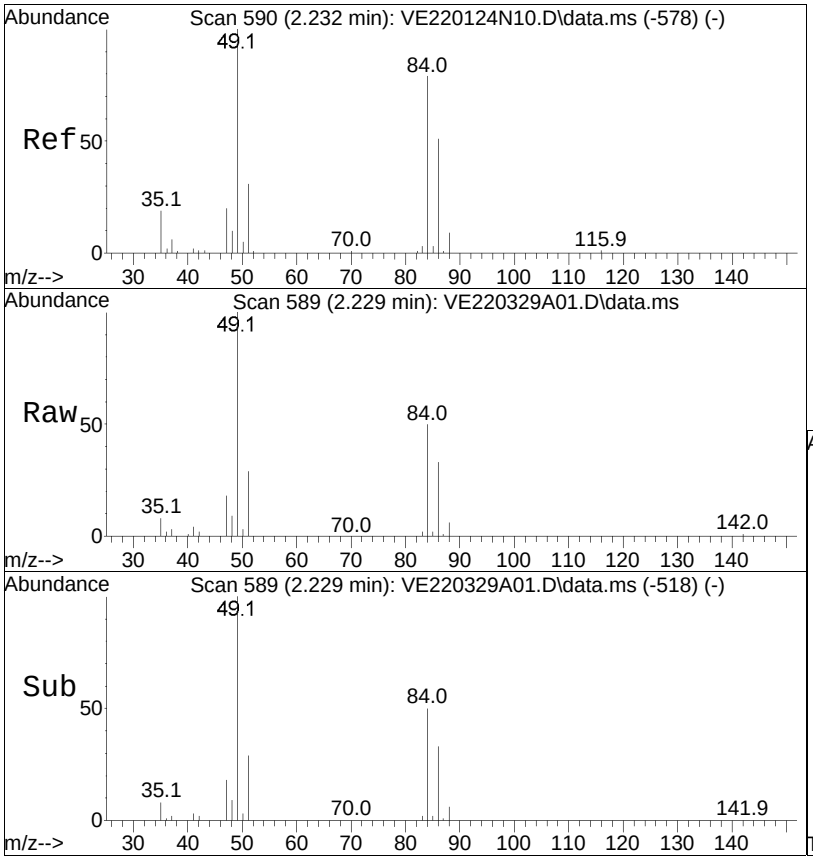


#11
Carbon disulfide
Concen: 10.29 ug/L
RT: 1.772 min Scan# 425
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 76 Resp: 70673

Ion	Ratio	Lower	Upper
76	100		
78	8.5	5.7	11.7

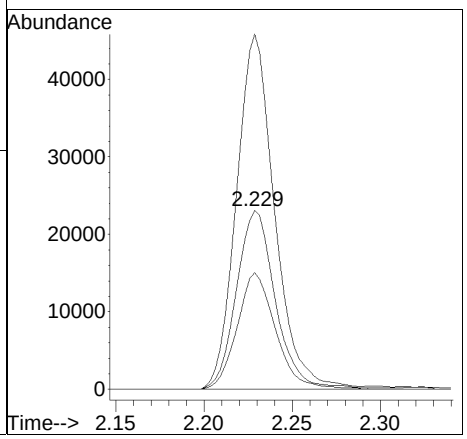


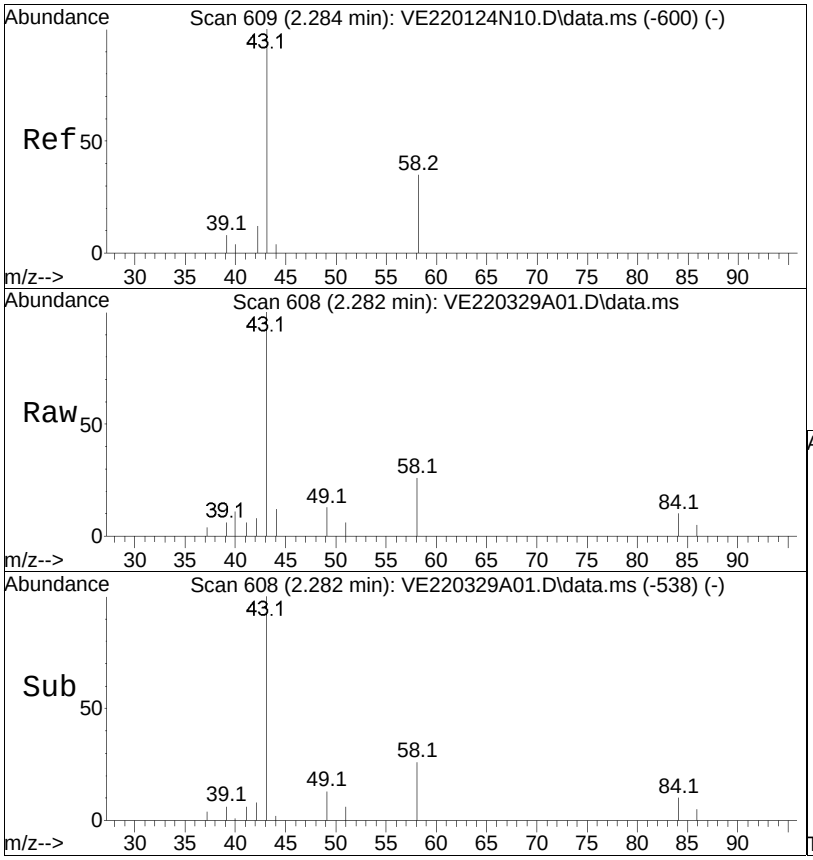


#15
Methylene chloride
Concen: 9.78 ug/L
RT: 2.229 min Scan# 589
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 84 Resp: 35617

Ion	Ratio	Lower	Upper
84	100		
86	64.3	40.4	83.8
49	193.5	120.0	249.2

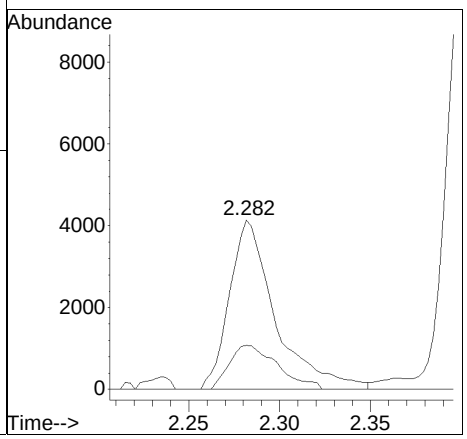


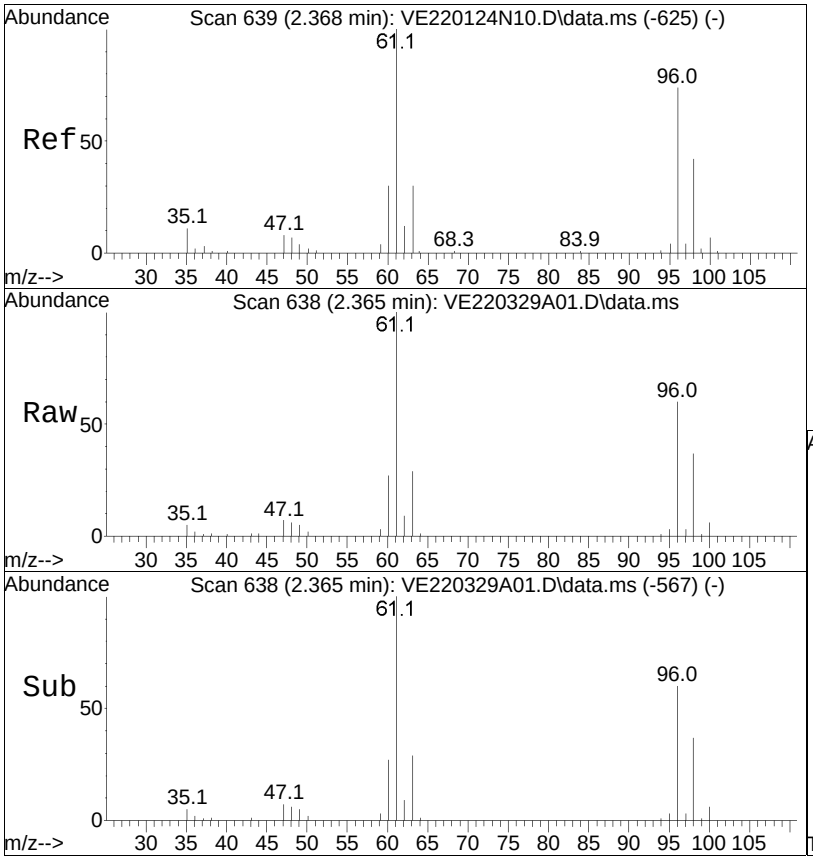


#17
Acetone
Concen: 8.48 ug/L
RT: 2.282 min Scan# 608
Delta R.T. -0.005 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 43 Resp: 7307

Ion	Ratio	Lower	Upper
43	100		
58	27.4	24.2	36.4

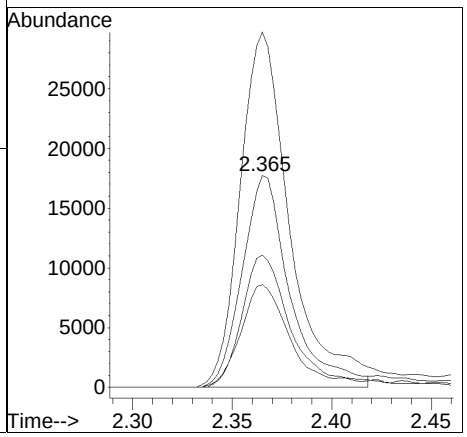


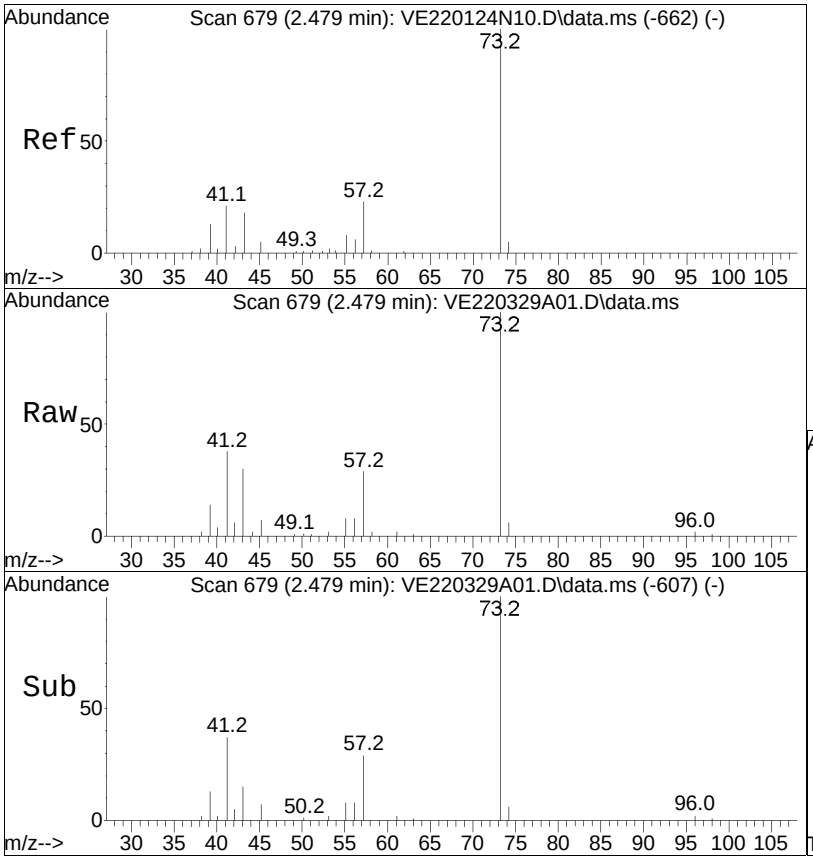


#18
trans-1,2-Dichloroethene
Concen: 9.57 ug/L
RT: 2.365 min Scan# 638
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 96 Resp: 29749

Ion	Ratio	Lower	Upper
96	100		
61	177.4	124.0	257.6
98	65.1	41.2	85.6
63	50.2	38.4	79.7

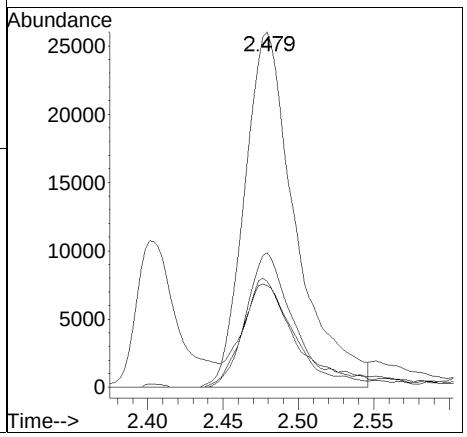


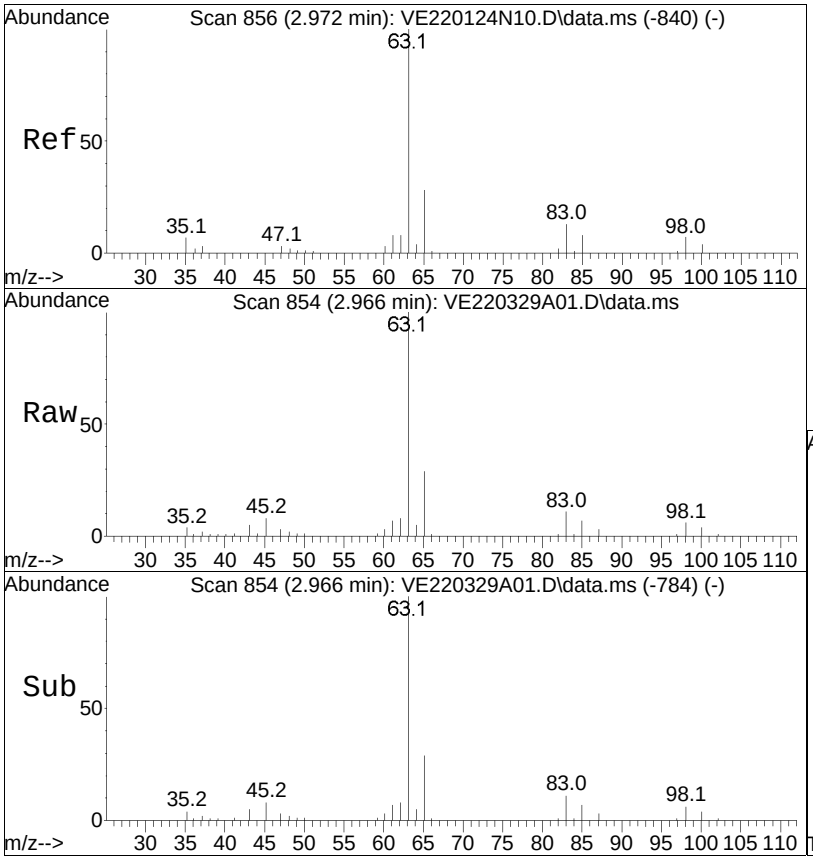


#20
Methyl tert-butyl ether
Concen: 8.31 ug/L
RT: 2.479 min Scan# 679
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 73 Resp: 61388

Ion	Ratio	Lower	Upper
73	100		
57	30.1	17.5	36.3
43	29.5	15.3	31.9
41	37.0	15.3	31.7#

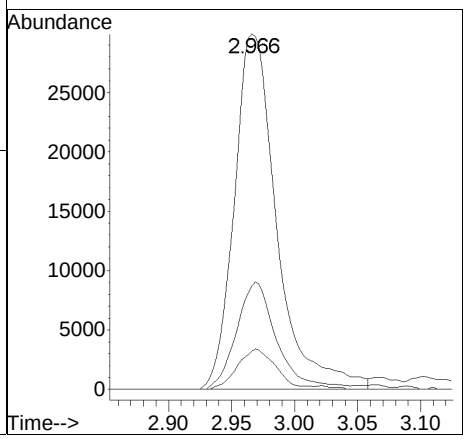


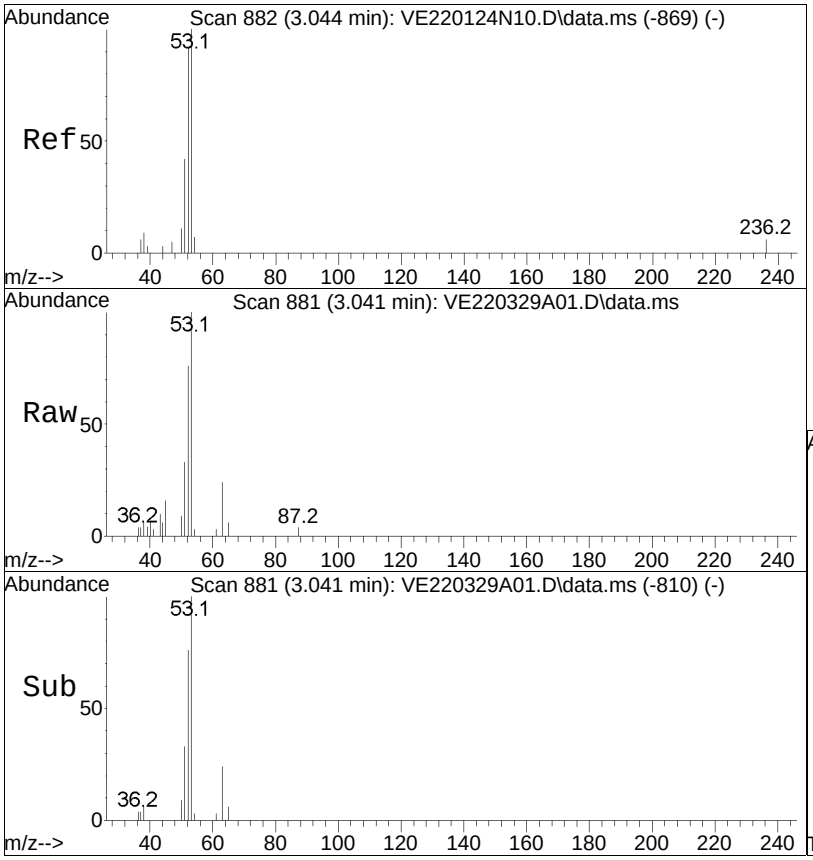


#23
1,1-Dichloroethane
Concen: 10.19 ug/L
RT: 2.966 min Scan# 854
Delta R.T. -0.006 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 63 Resp: 70361

Ion	Ratio	Lower	Upper
63	100		
65	28.6	11.0	51.0
83	10.4	0.0	31.8

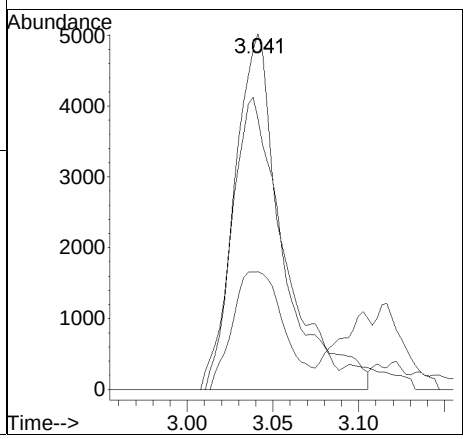


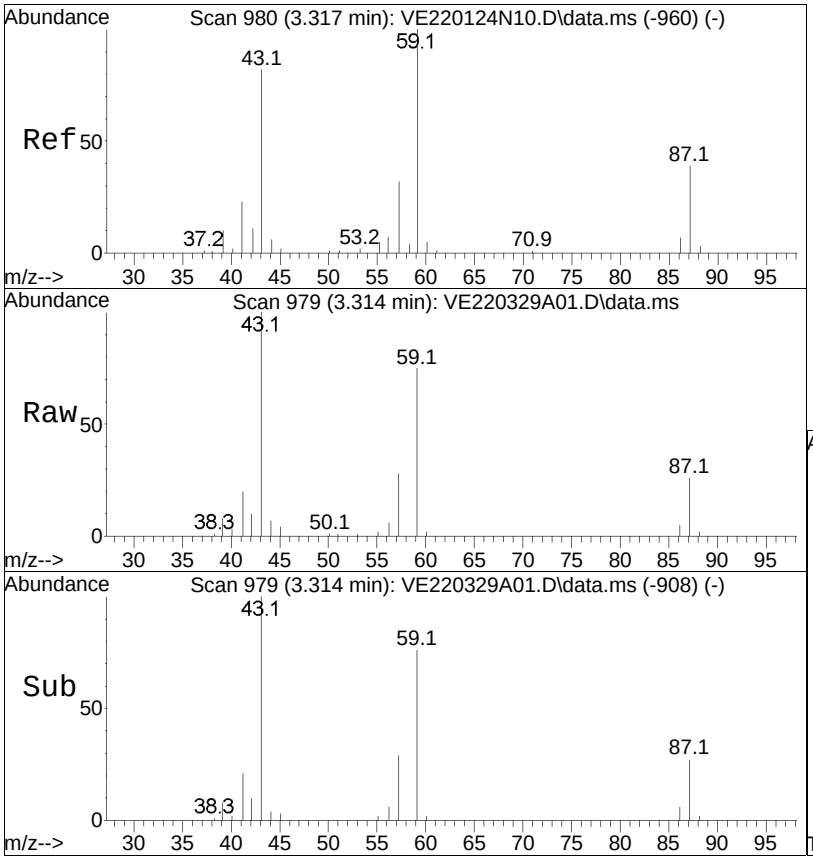


#25
Acrylonitrile
Concen: 8.78 ug/L
RT: 3.041 min Scan# 881
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 53 Resp: 9992

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.7	100.1
51	34.9	30.6	46.0

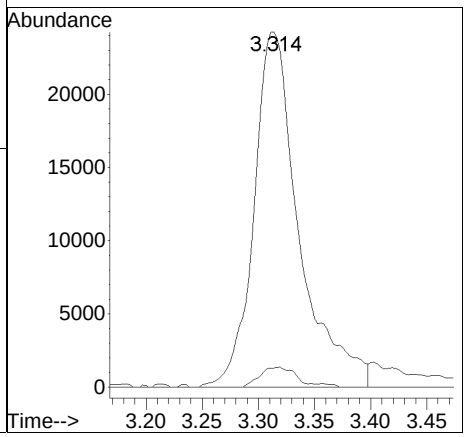


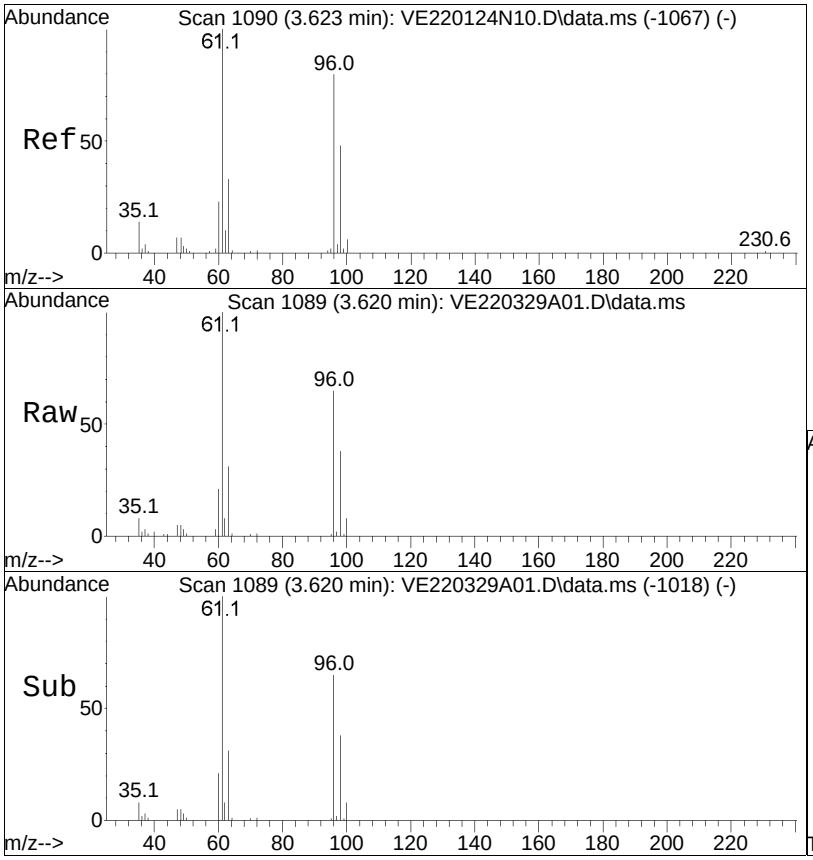


#27
Vinyl acetate
Concen: 8.40 ug/L
RT: 3.314 min Scan# 979
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 43 Resp: 68049

Ion	Ratio	Lower	Upper
43	100		
86	4.6	5.2	7.8#

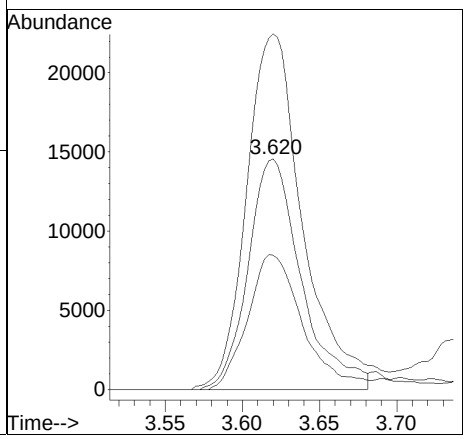


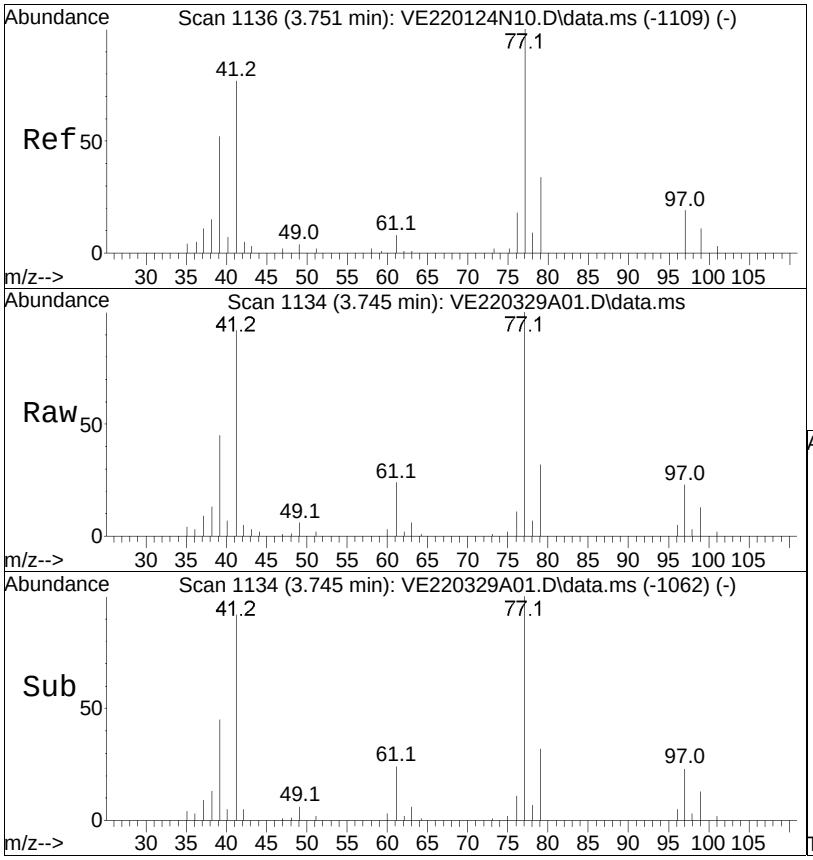


#28
cis-1,2-Dichloroethene
Concen: 9.76 ug/L
RT: 3.620 min Scan# 1089
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 96 Resp: 34997

Ion	Ratio	Lower	Upper
96	100		
61	165.0	149.4	224.2
98	60.6	53.4	80.2

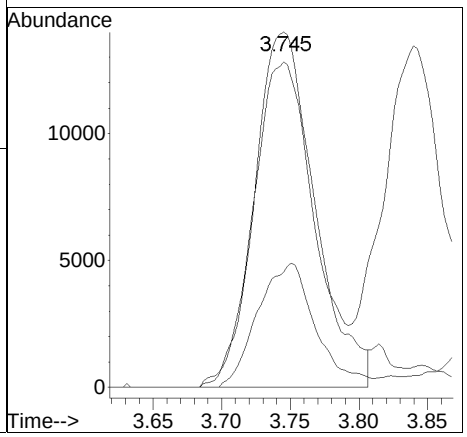


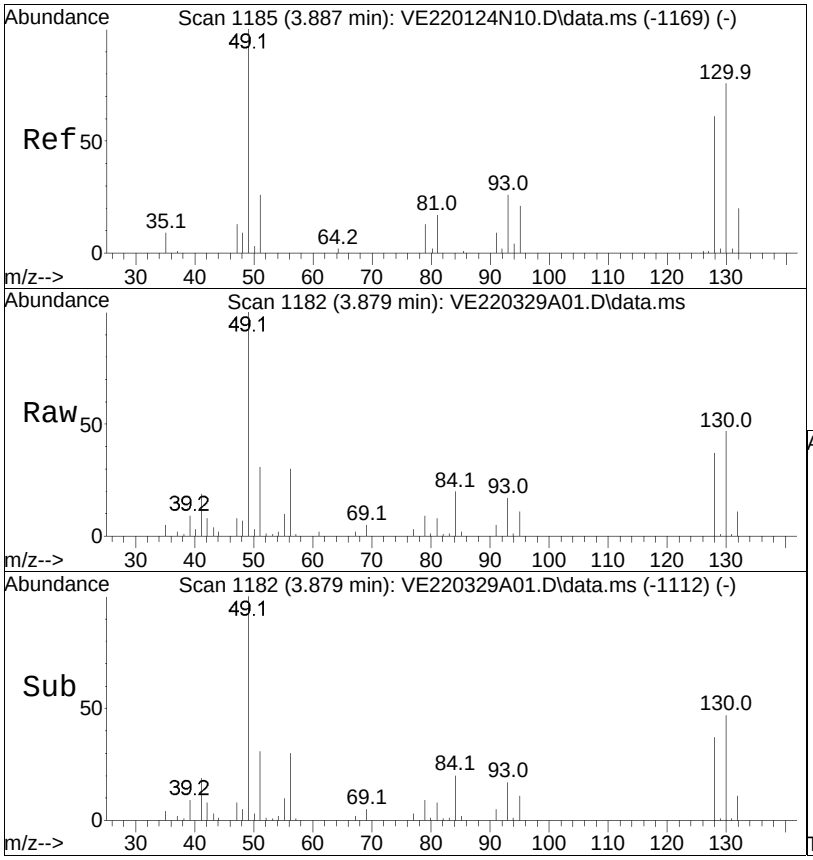


#29
2,2-Dichloropropane
Concen: 10.59 ug/L
RT: 3.745 min Scan# 1134
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 77 Resp: 42711

Ion	Ratio	Lower	Upper
77	100		
41	92.1	38.0	78.8#
79	33.9	20.5	42.5

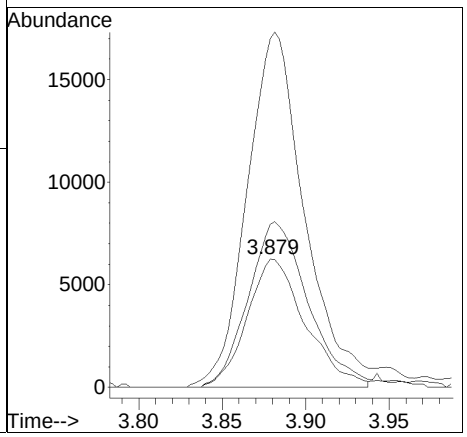


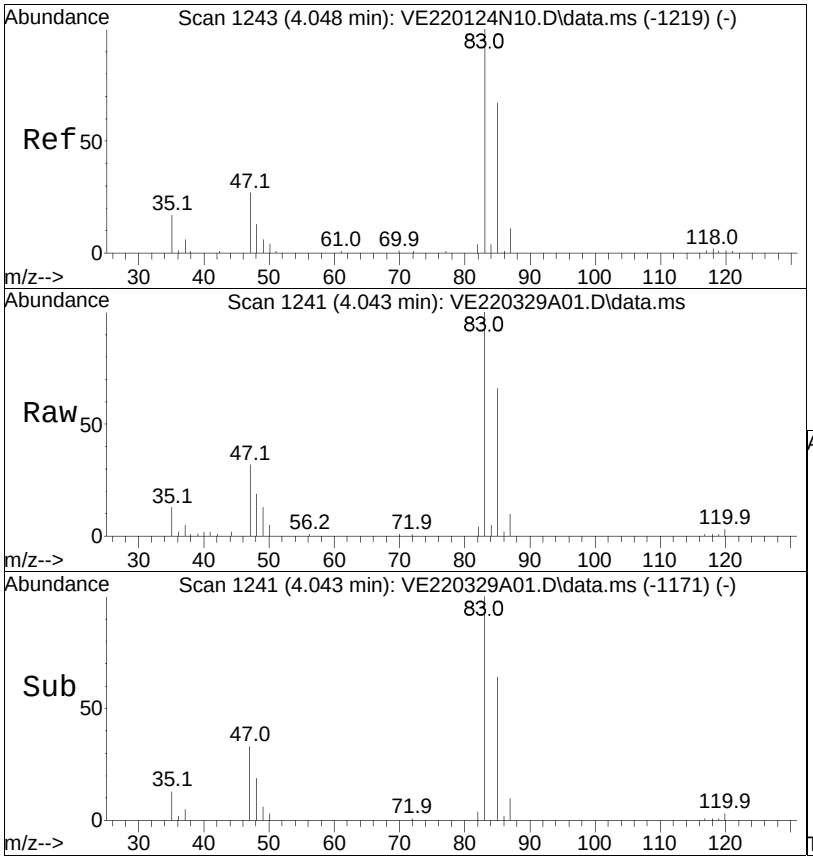


#30
Bromochloromethane
Concen: 9.29 ug/L
RT: 3.879 min Scan# 1182
Delta R.T. -0.005 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:128 Resp: 15274

Ion	Ratio	Lower	Upper
128	100		
49	272.1	223.0	334.4
130	132.6	111.4	167.0

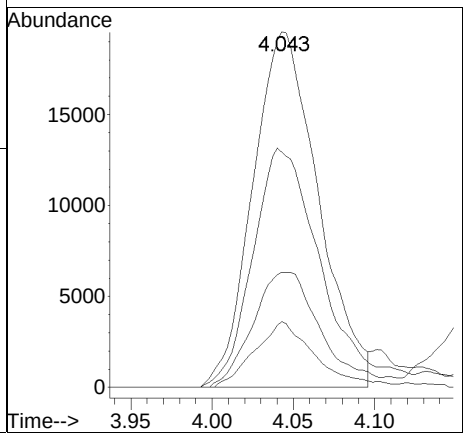


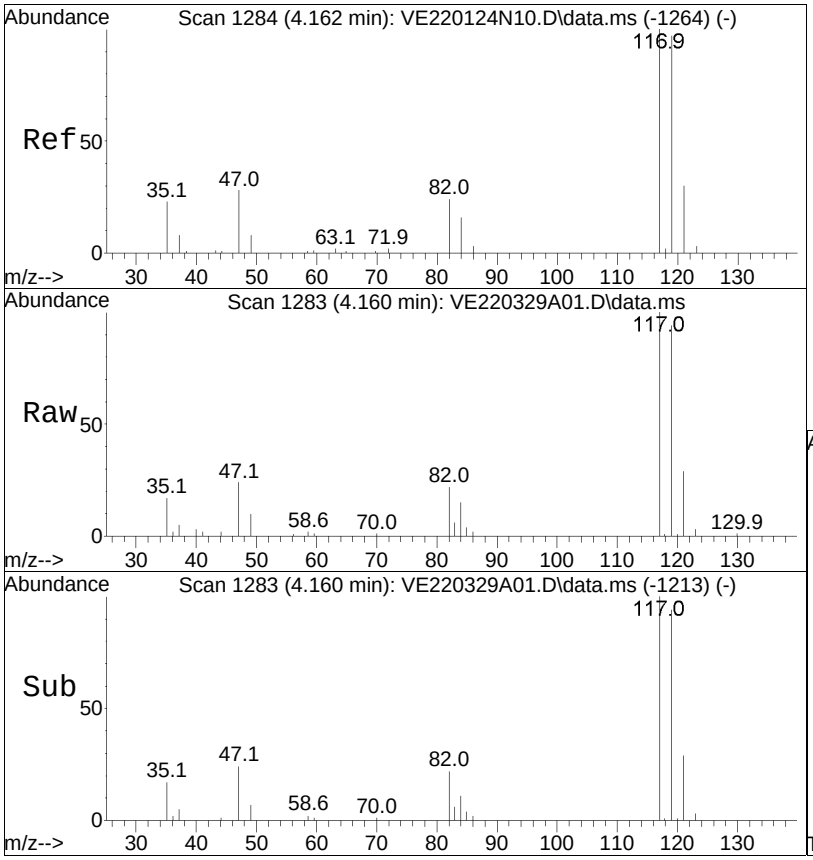


#32
Chloroform
Concen: 9.39 ug/L
RT: 4.043 min Scan# 1241
Delta R.T. -0.005 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 83 Resp: 54847

Ion	Ratio	Lower	Upper
83	100		
85	70.6	41.5	86.1
47	33.5	19.0	39.4
48	17.2	9.9	20.5

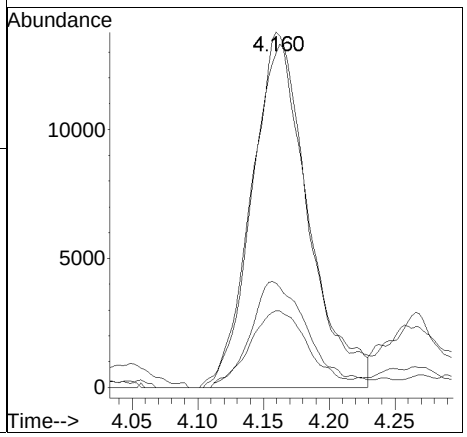


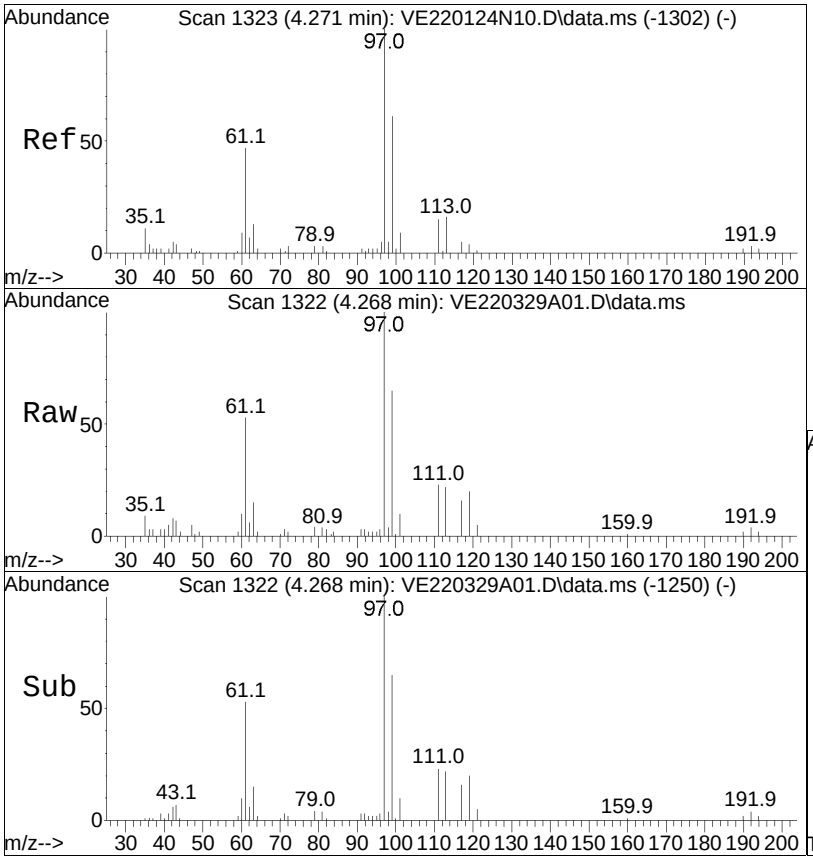


#34
Carbon tetrachloride
Concen: 9.84 ug/L
RT: 4.160 min Scan# 1283
Delta R.T. -0.005 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:117 Resp: 41276

Ion	Ratio	Lower	Upper
117	100		
119	94.7	62.4	129.6
121	29.3	19.5	40.5
82	22.4	17.0	35.4

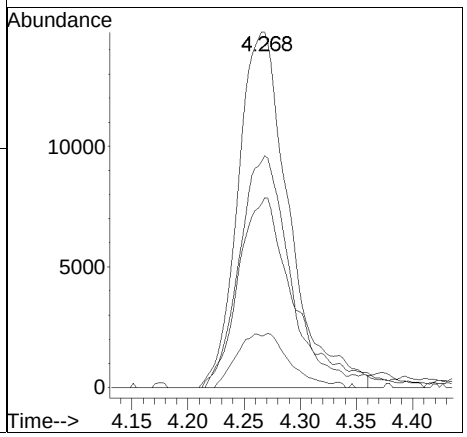


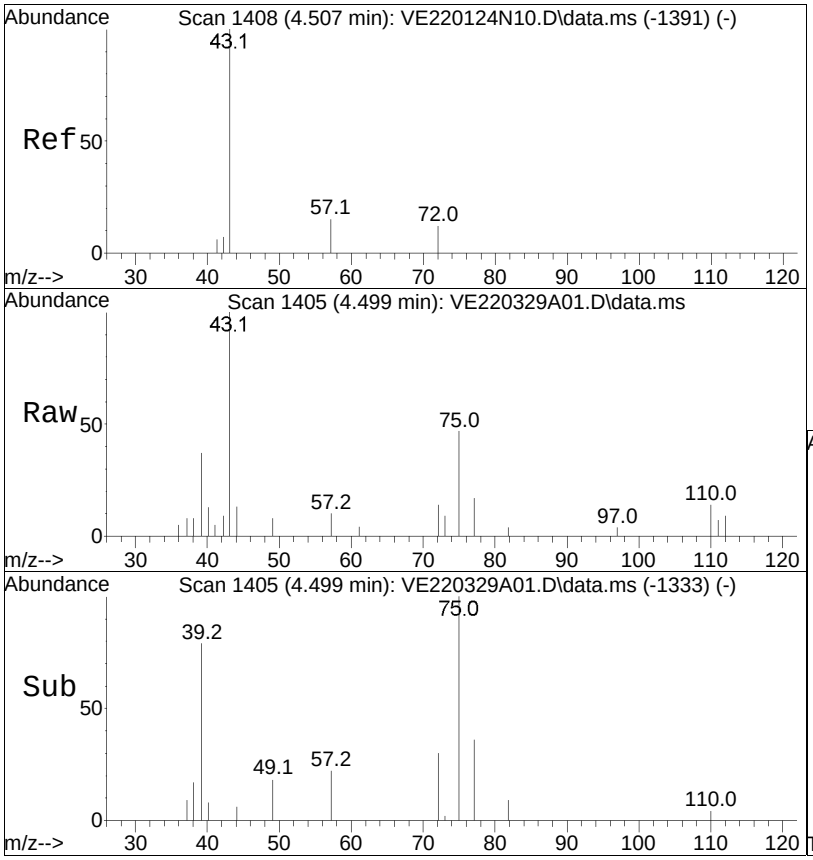


#37
1,1,1-Trichloroethane
Concen: 9.78 ug/L
RT: 4.268 min Scan# 1322
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 97 Resp: 46645

Ion	Ratio	Lower	Upper
97	100		
99	63.9	40.7	84.5
61	58.7	35.4	73.4
63	7.6	5.0	10.4

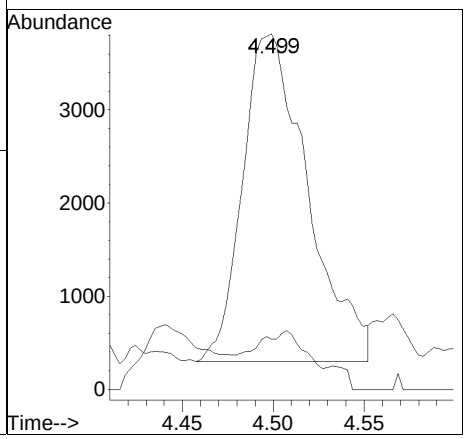


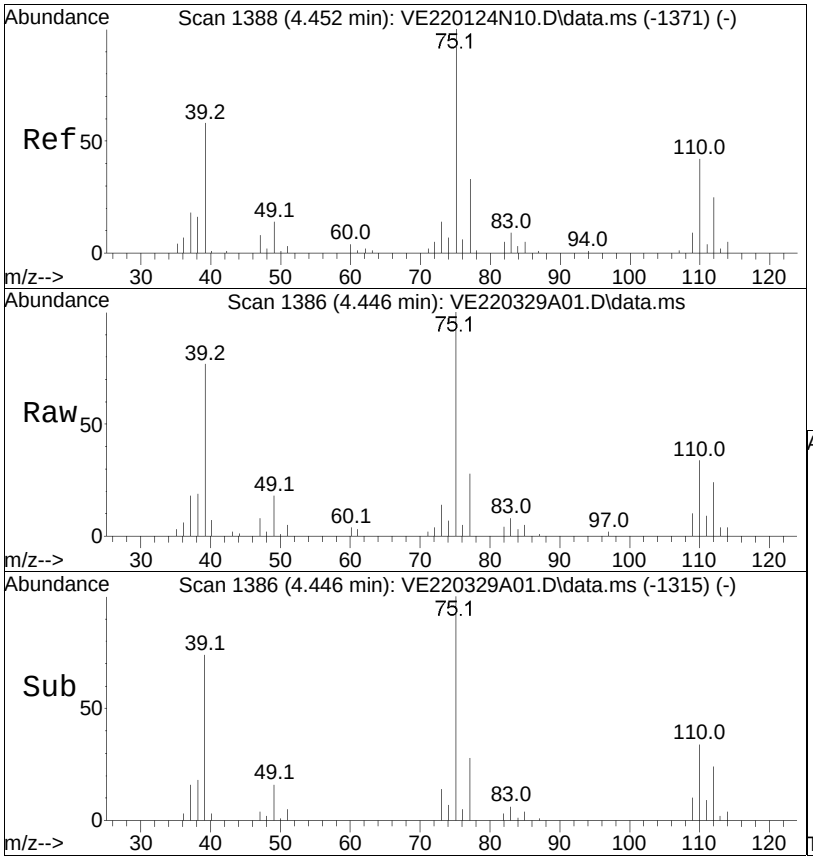


#39
2-Butanone
Concen: 7.08 ug/L
RT: 4.499 min Scan# 1405
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 43 Resp: 8781

Ion	Ratio	Lower	Upper
43	100		
72	0.8	10.9	16.3#

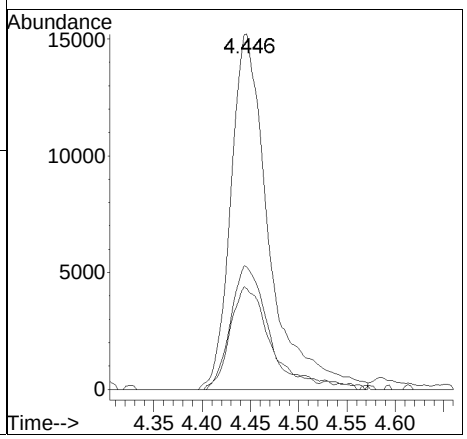


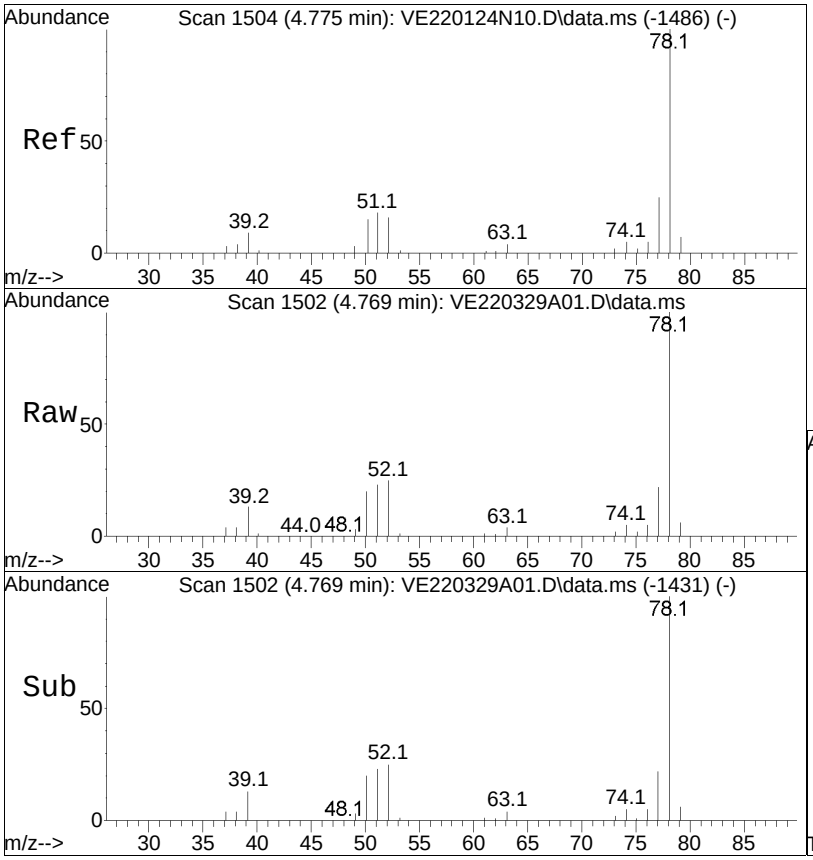


#40
1,1-Dichloropropene
Concen: 9.81 ug/L
RT: 4.446 min Scan# 1386
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 75 Resp: 41807

Ion	Ratio	Lower	Upper
75	100		
110	33.4	20.2	41.9
77	30.0	20.1	41.7

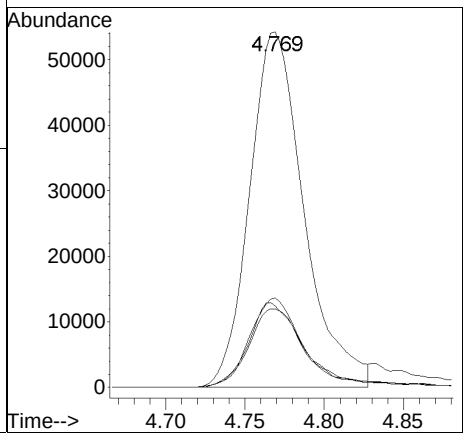


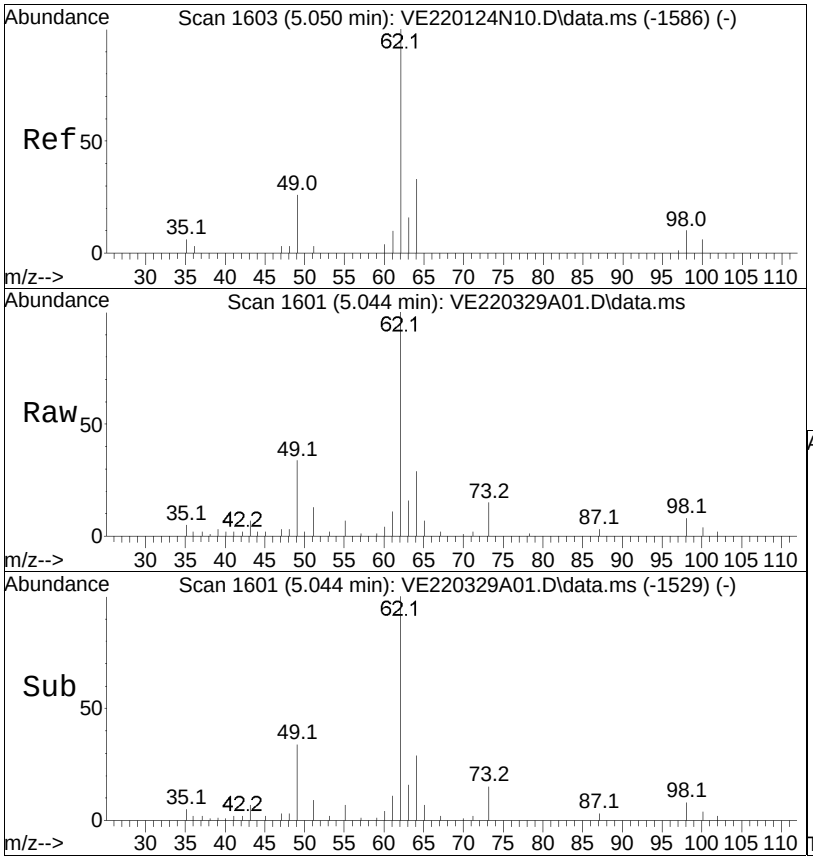


#41
Benzene
Concen: 9.50 ug/L
RT: 4.769 min Scan# 1502
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 78 Resp: 129740

Ion	Ratio	Lower	Upper
78	100		
77	23.4	15.7	32.7
51	24.0	16.0	33.2
52	26.1	15.3	31.9

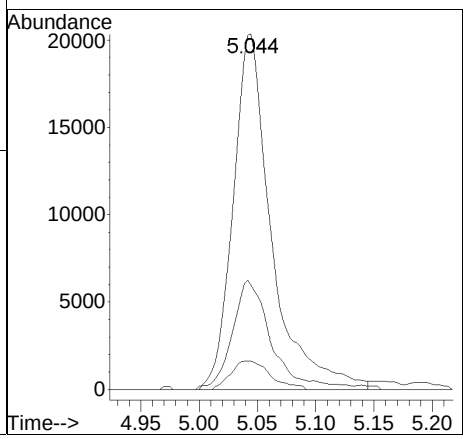


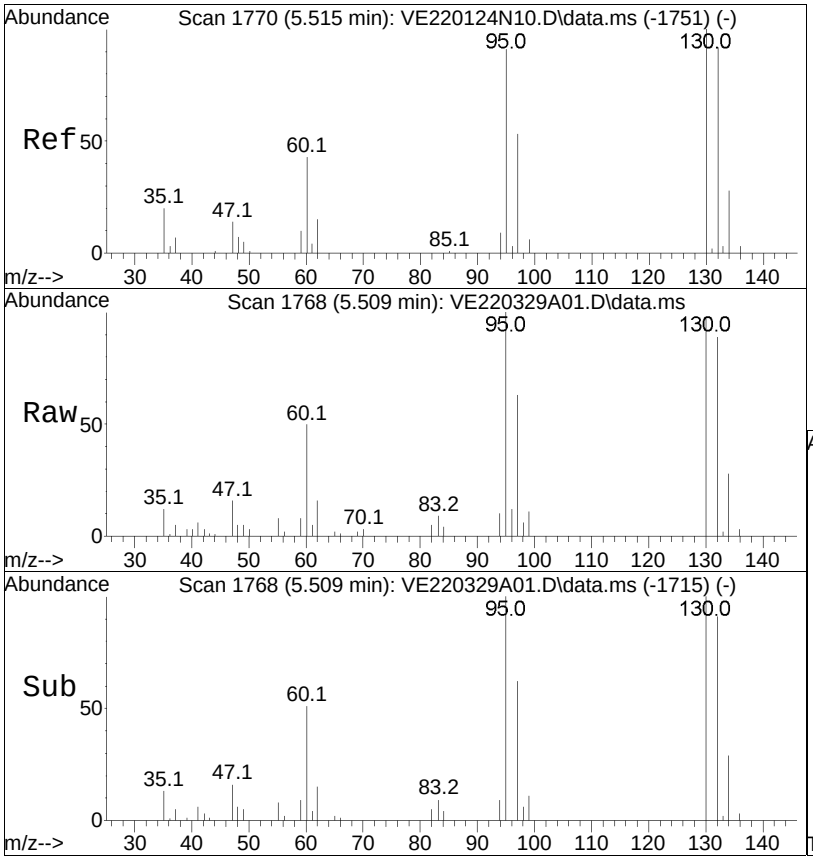


#44
1,2-Dichloroethane
Concen: 9.92 ug/L
RT: 5.044 min Scan# 1601
Delta R.T. -0.001 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 62 Resp: 46625

Ion	Ratio	Lower	Upper
62	100		
64	31.2	11.2	51.2
98	8.2	0.0	26.1

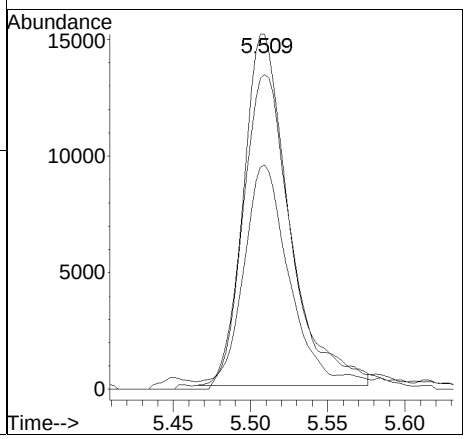


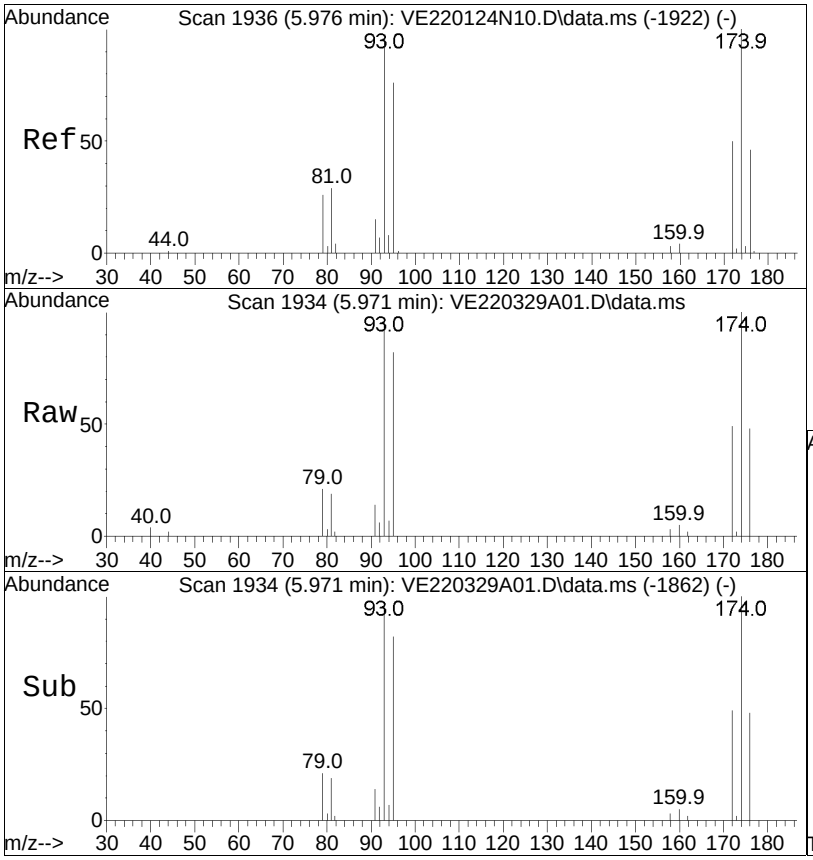


#48
Trichloroethene
Concen: 9.35 ug/L
RT: 5.509 min Scan# 1768
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 95 Resp: 31098

Ion	Ratio	Lower	Upper
95	100		
97	59.1	55.5	83.3
132	97.7	76.6	115.0

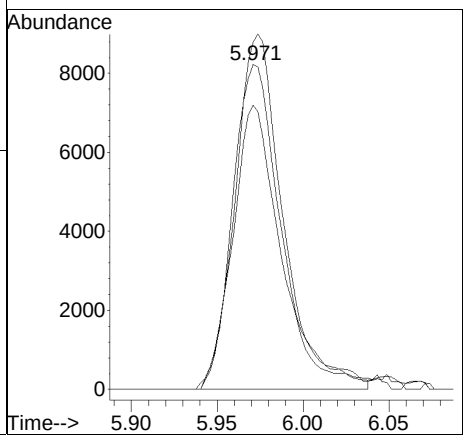


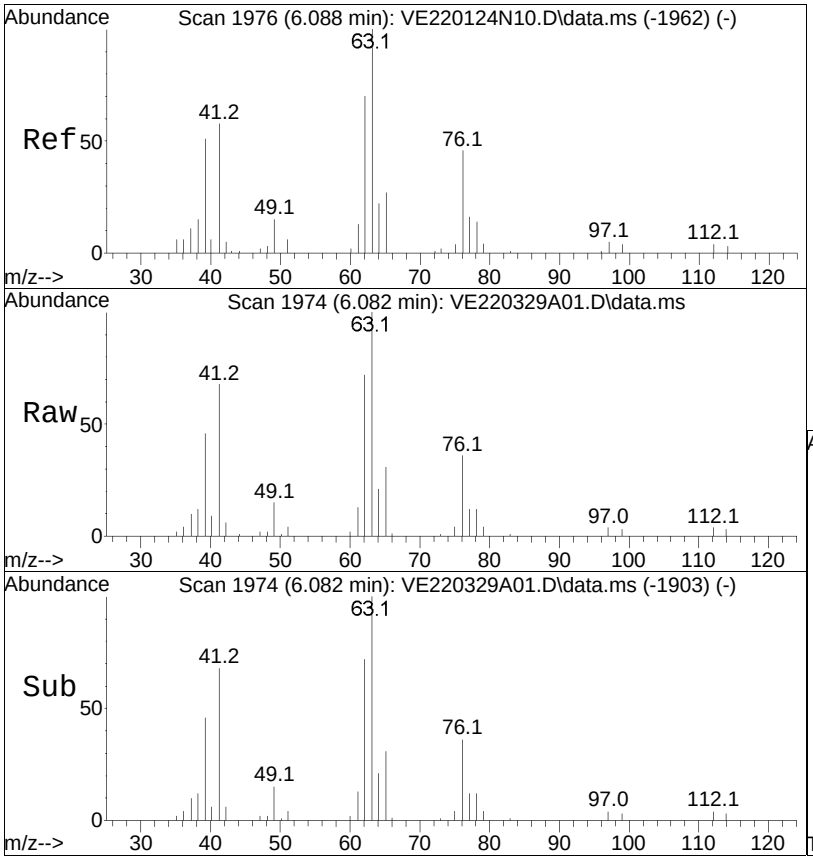


#50
Dibromomethane
Concen: 9.28 ug/L
RT: 5.971 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 93 Resp: 16503

Ion	Ratio	Lower	Upper
93	100		
95	86.5	67.0	100.4
174	106.8	75.0	112.4

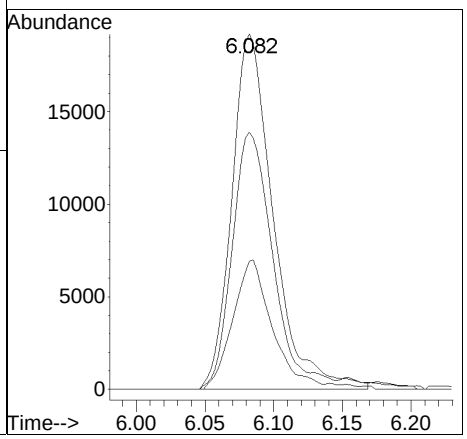


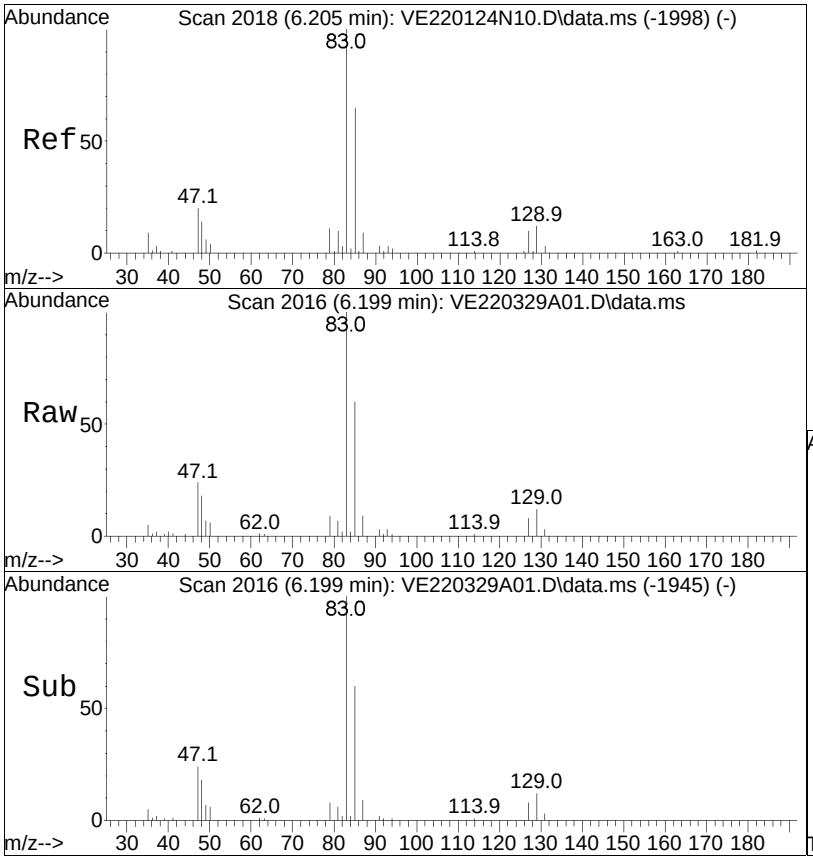


#51
1,2-Dichloropropane
Concen: 10.43 ug/L
RT: 6.082 min Scan# 1974
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 63 Resp: 40379

Ion	Ratio	Lower	Upper
63	100		
62	71.1	58.6	87.8
76	34.7	38.0	57.0#

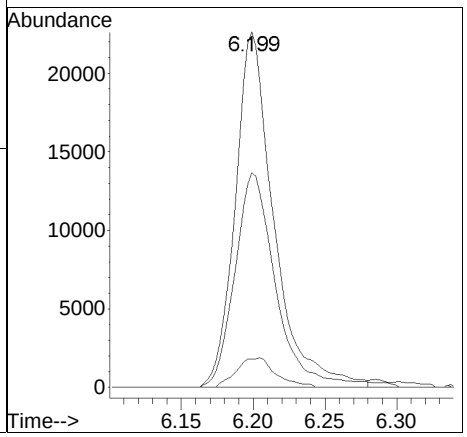


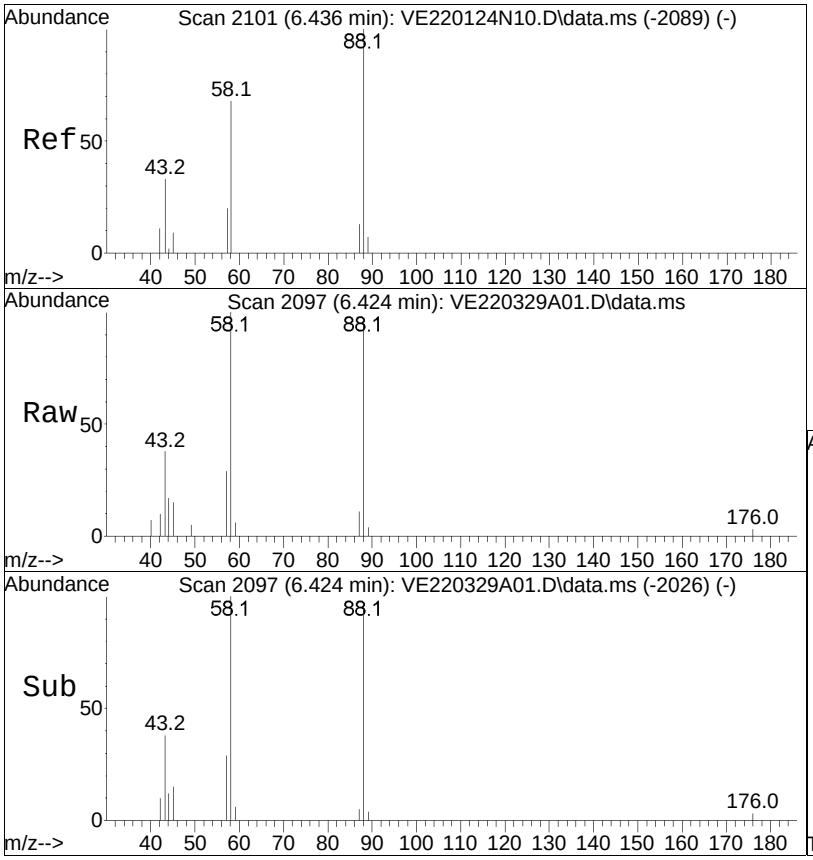


#54
Bromodichloromethane
Concen: 9.75 ug/L
RT: 6.199 min Scan# 2016
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 83 Resp: 42439

Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.3	78.5
127	8.5	6.2	9.4

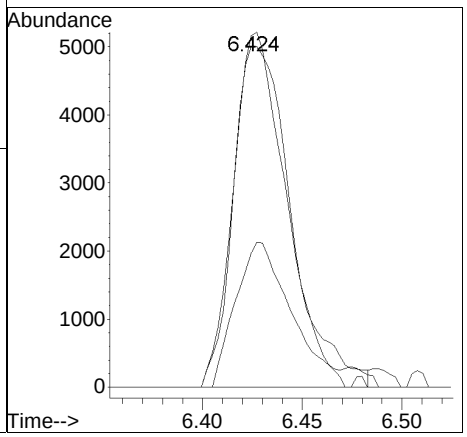


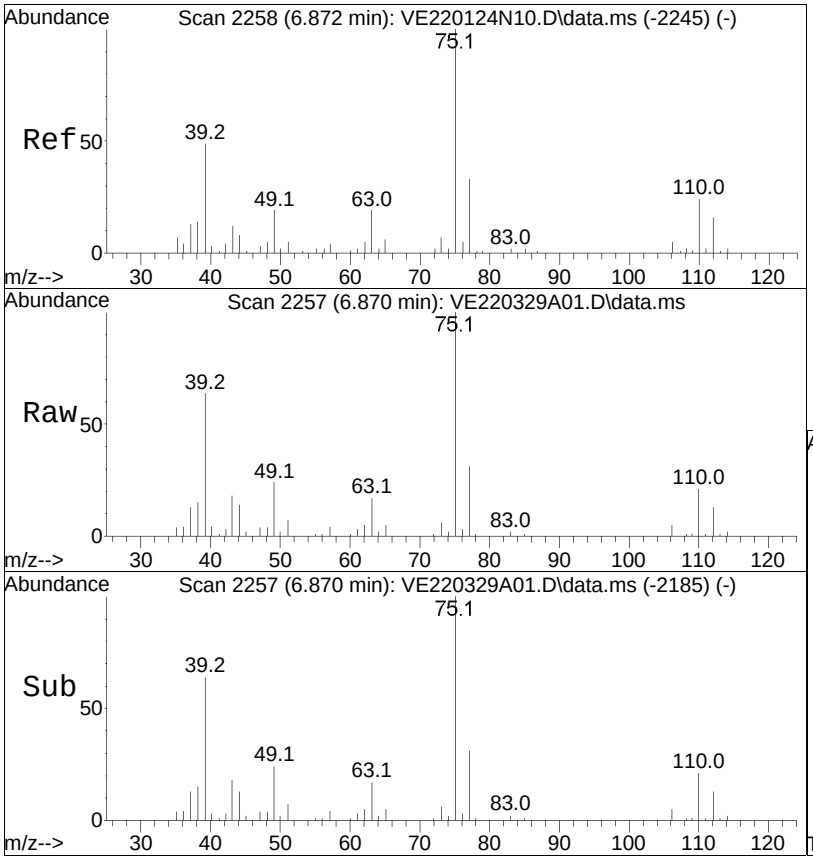


#57
1,4-Dioxane
Concen: 542.04 ug/L
RT: 6.424 min Scan# 2097
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 88 Resp: 10178

Ion	Ratio	Lower	Upper
88	100		
58	94.4	76.7	115.1
43	40.7	36.2	54.2

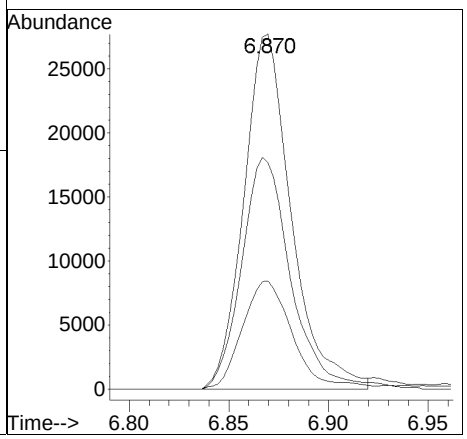


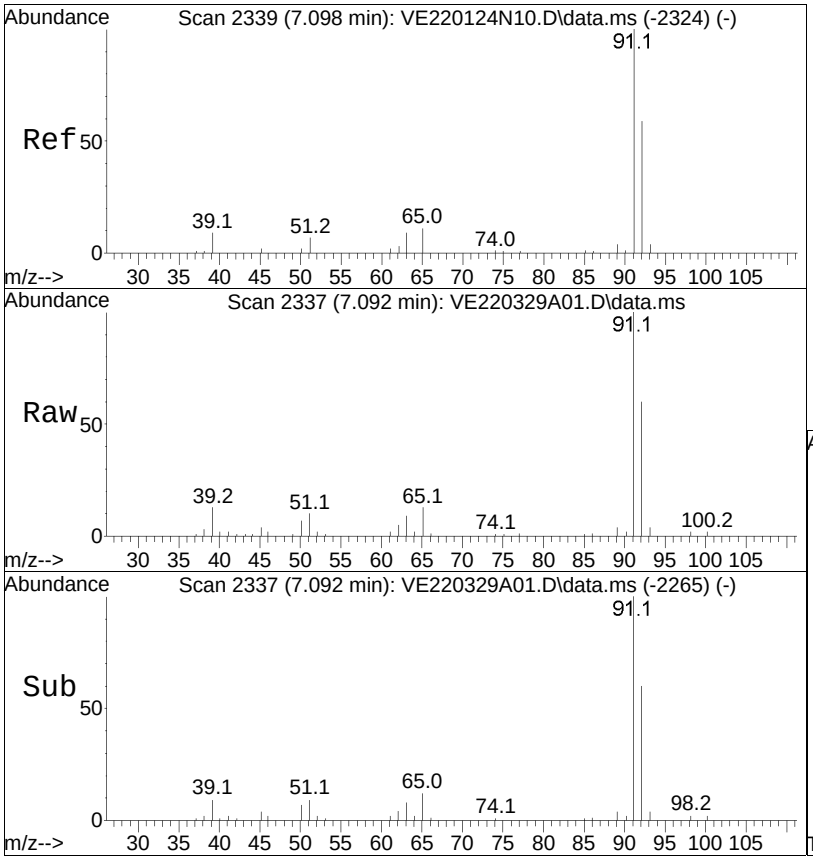


#58
cis-1,3-Dichloropropene
Concen: 9.27 ug/L
RT: 6.870 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 75 Resp: 46138

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.0	37.4
39	67.7	50.1	75.1

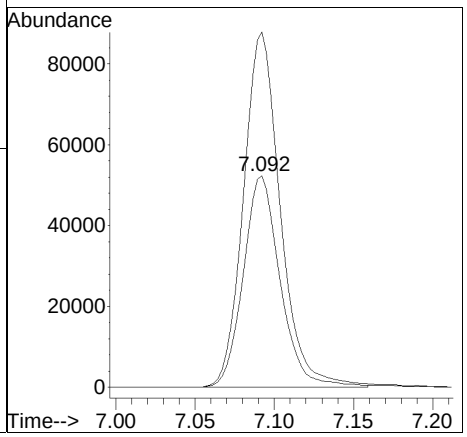


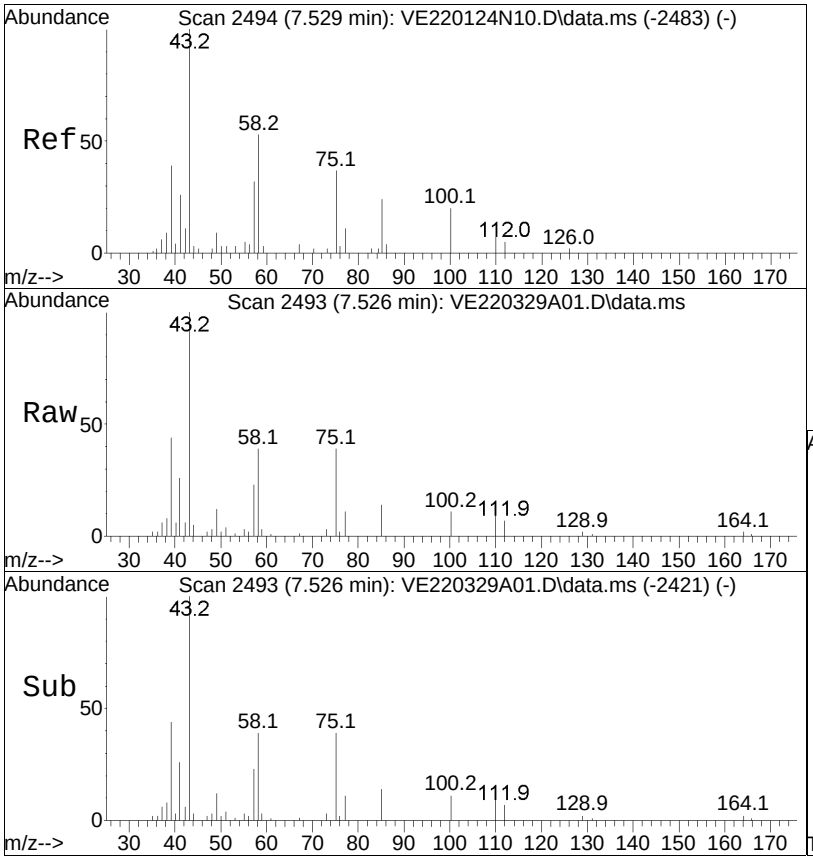


#61
Toluene
Concen: 9.90 ug/L
RT: 7.092 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 92 Resp: 85063

Ion	Ratio	Lower	Upper
92	100		
91	167.7	139.8	209.6

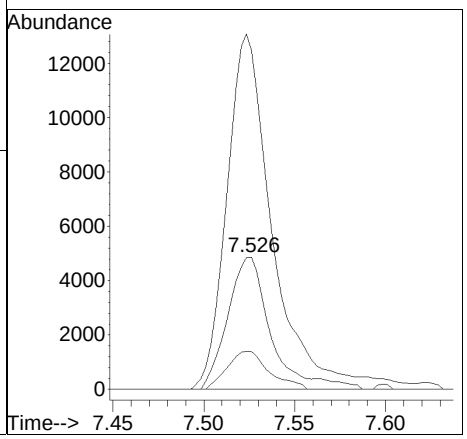


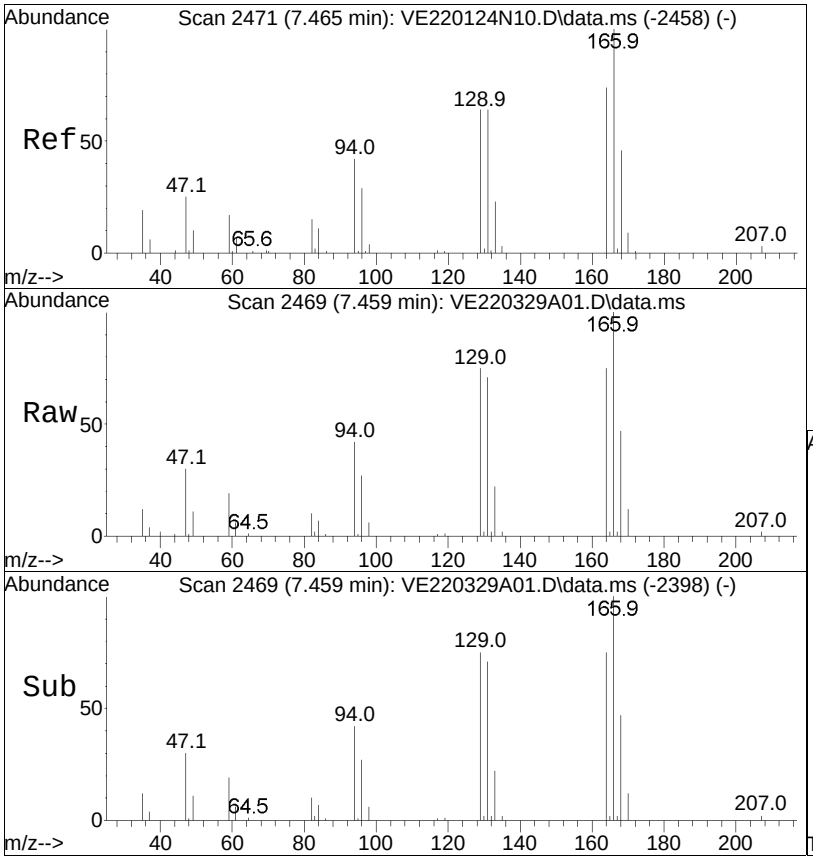


#62
4-Methyl-2-pentanone
Concen: 7.74 ug/L
RT: 7.526 min Scan# 2493
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 58 Resp: 8070

Ion	Ratio	Lower	Upper
58	100		
100	28.1	20.2	30.2
43	285.4	196.6	295.0

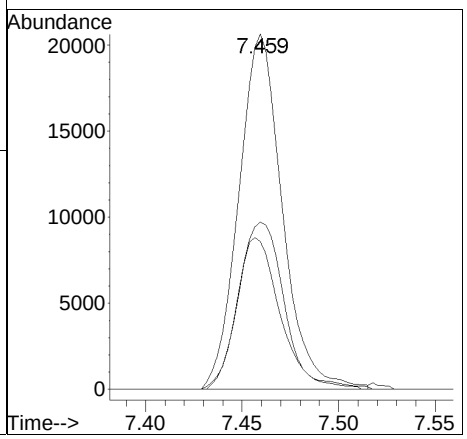


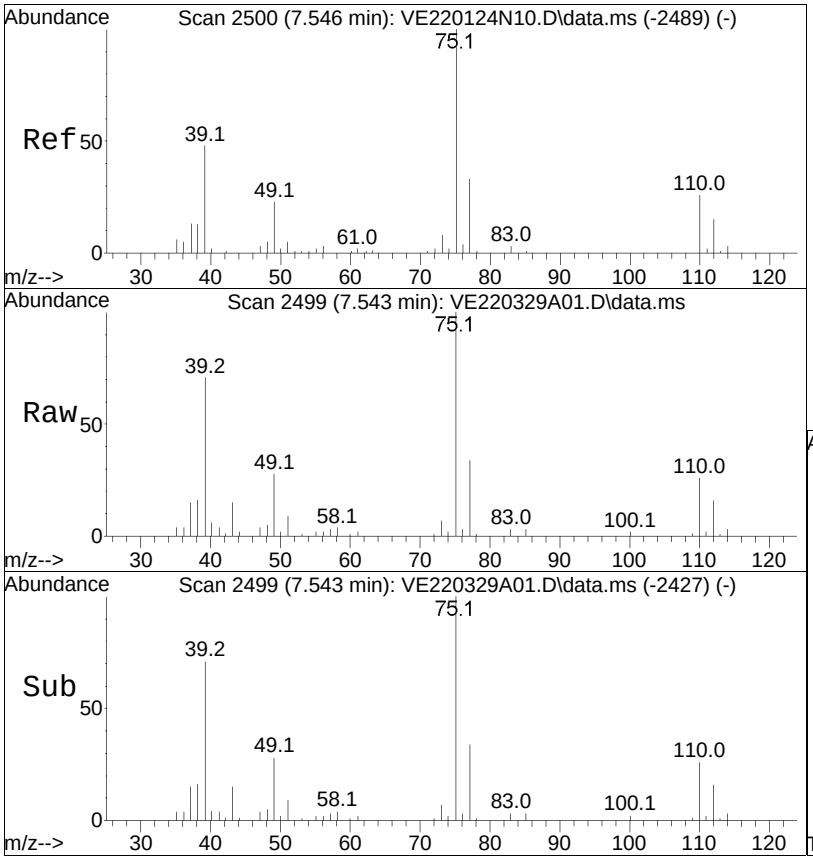


#63
Tetrachloroethene
Concen: 10.08 ug/L
RT: 7.459 min Scan# 2469
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:166 Resp: 32500

Ion	Ratio	Lower	Upper
166	100		
168	49.6	28.2	68.2
94	42.7	38.4	78.4

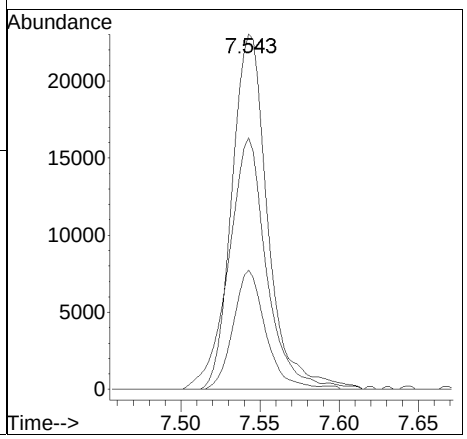


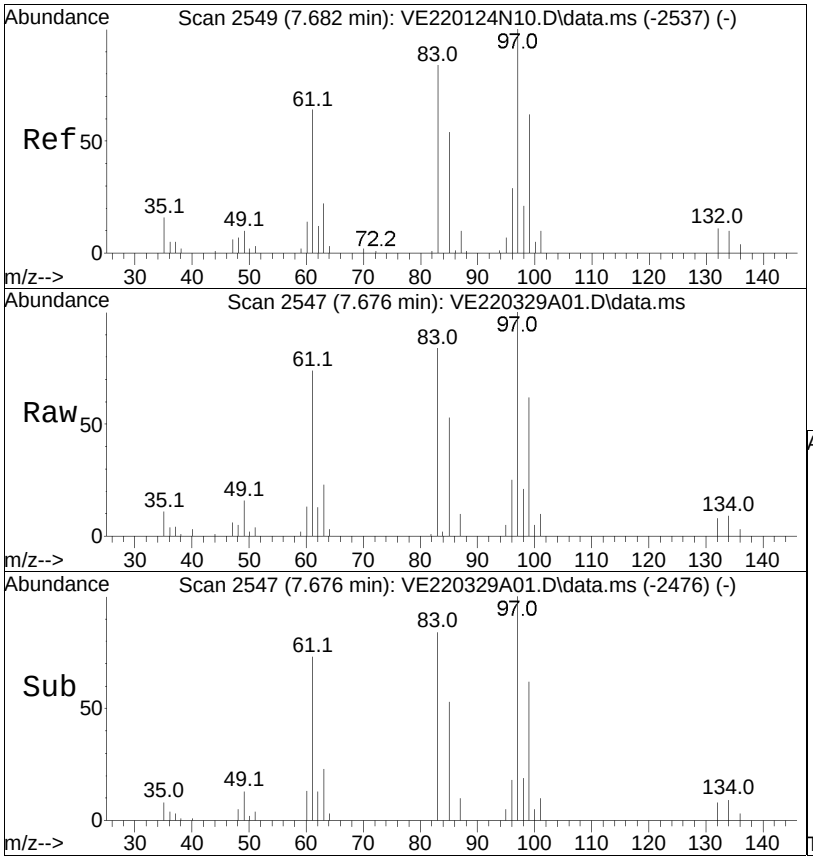


#65
trans-1,3-Dichloropropene
Concen: 9.00 ug/L
RT: 7.543 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 75 Resp: 36266

Ion	Ratio	Lower	Upper
75	100		
77	30.4	12.4	52.4
39	75.6	42.8	82.8

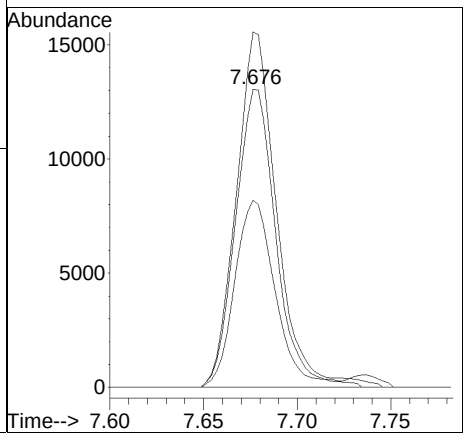


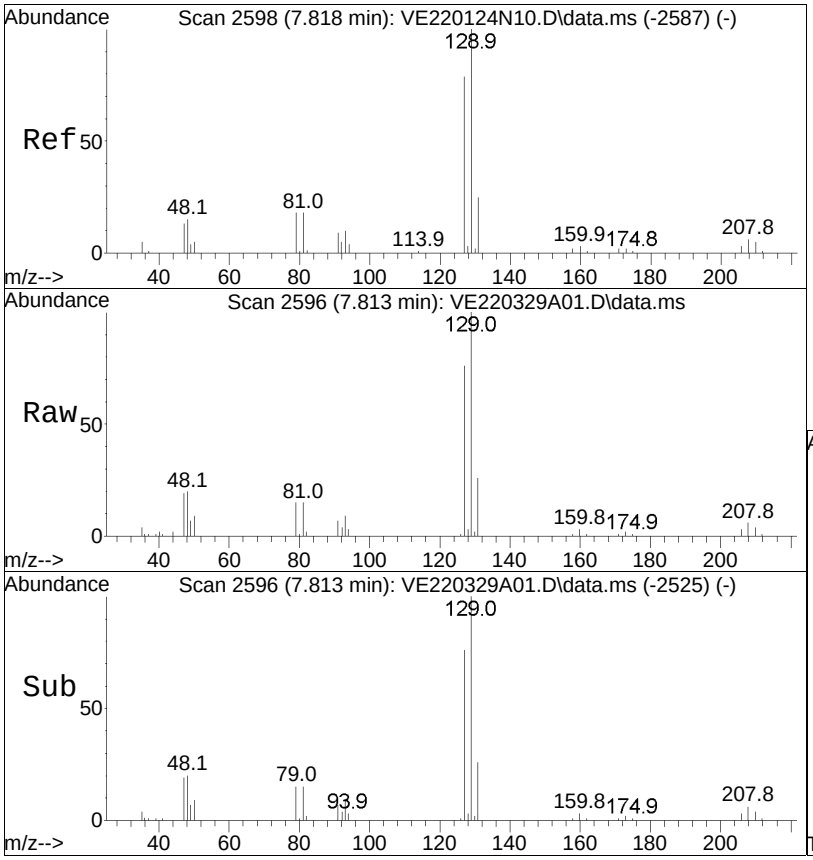


#68
1,1,2-Trichloroethane
Concen: 9.06 ug/L
RT: 7.676 min Scan# 2547
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 83 Resp: 19640

Ion	Ratio	Lower	Upper
83	100		
97	119.5	89.8	129.8
85	63.4	44.4	84.4

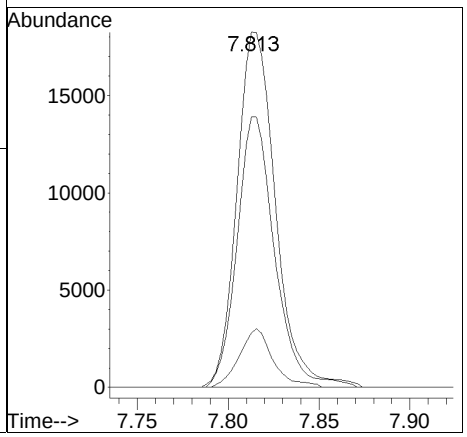


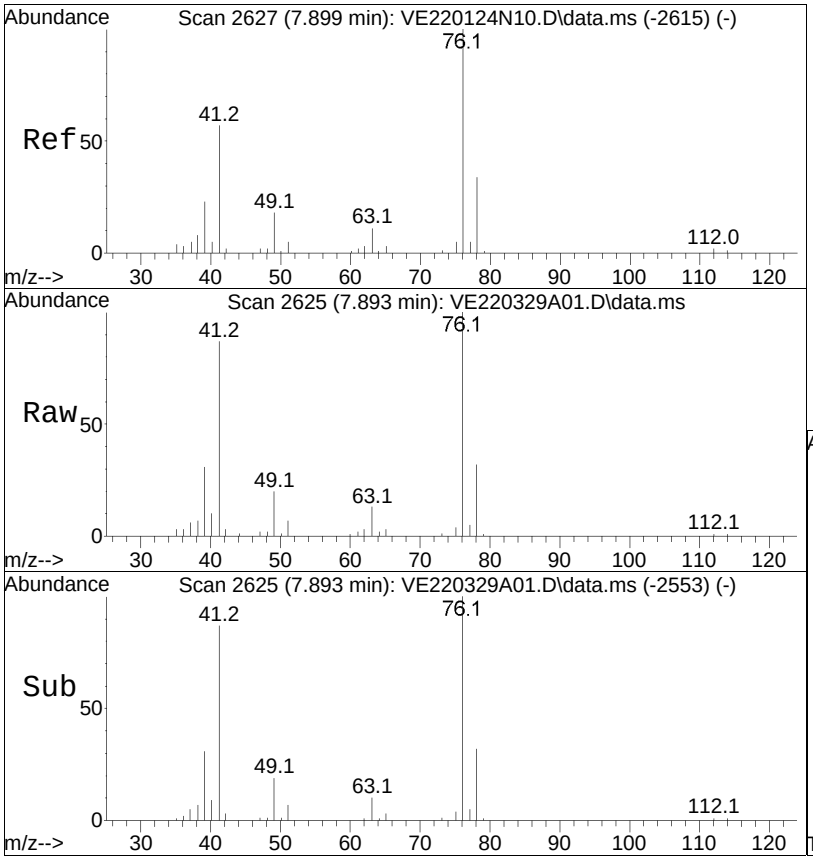


#69
Chlorodibromomethane
Concen: 9.03 ug/L
RT: 7.813 min Scan# 2596
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:129 Resp: 27099

Ion	Ratio	Lower	Upper
129	100		
81	14.5	2.9	42.9
127	74.0	57.8	97.8

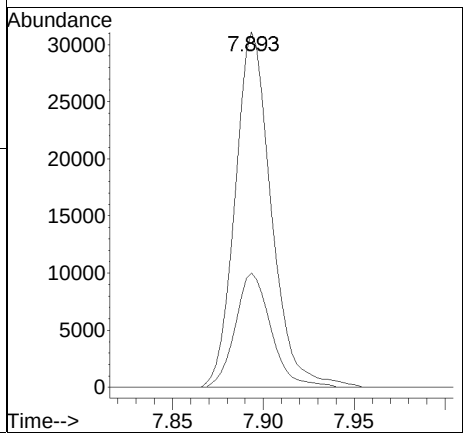


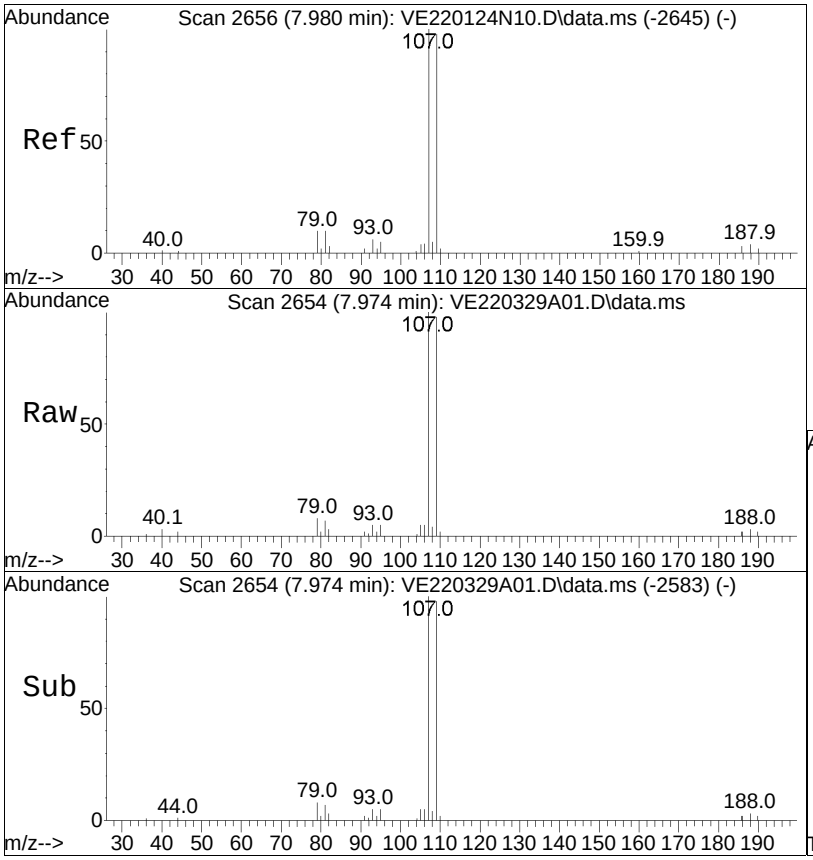


#70
1,3-Dichloropropane
Concen: 8.99 ug/L
RT: 7.893 min Scan# 2625
Delta R.T. -0.001 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 76 Resp: 43175

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

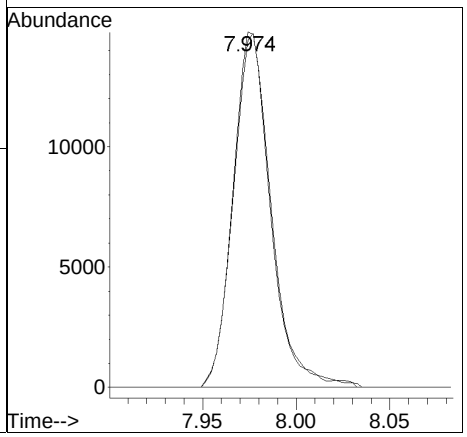


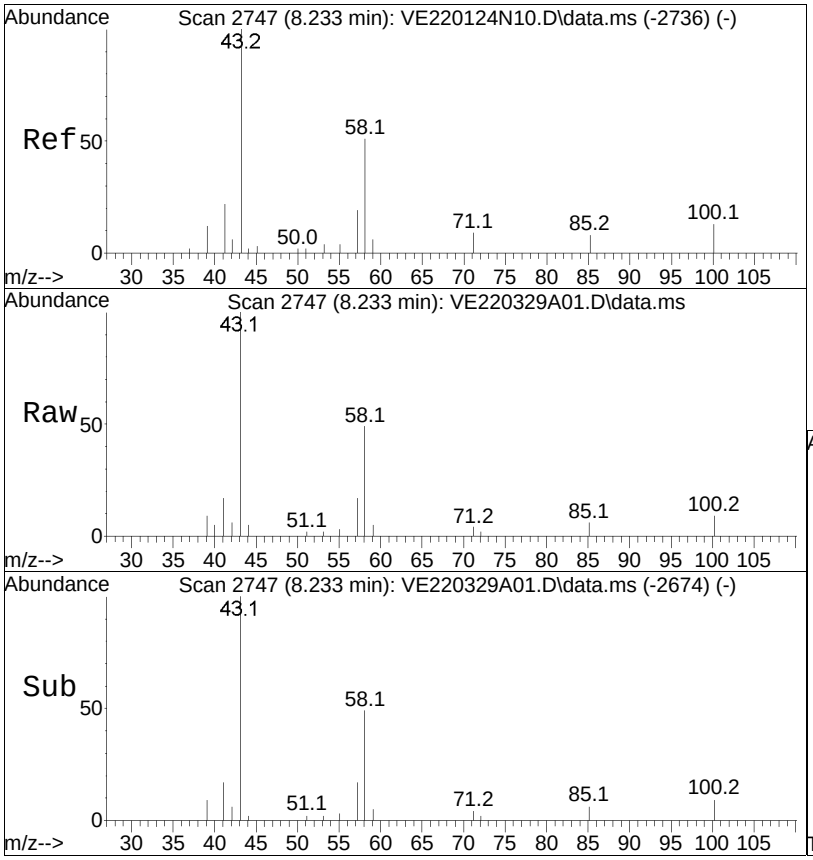


#71
1,2-Dibromoethane
Concen: 8.01 ug/L
RT: 7.974 min Scan# 2654
Delta R.T. -0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:107 Resp: 21037

Ion	Ratio	Lower	Upper
107	100		
109	95.9	74.3	111.5

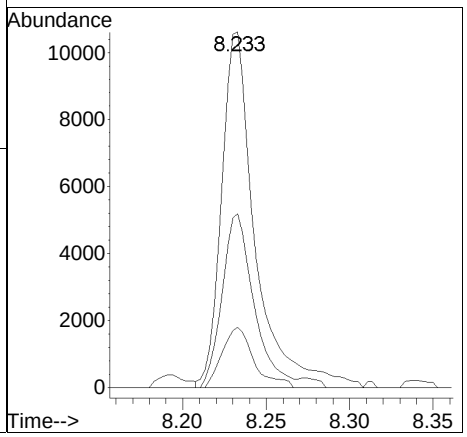


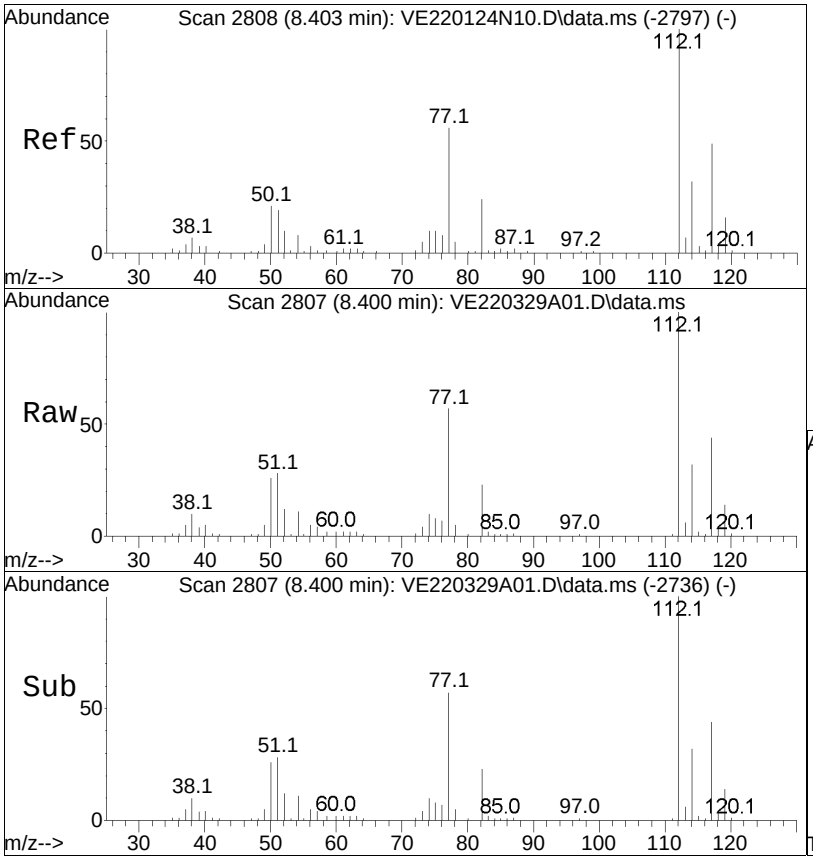


#72
2-Hexanone
Concen: 8.48 ug/L
RT: 8.233 min Scan# 2747
Delta R.T. 0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 43 Resp: 14950

Ion	Ratio	Lower	Upper
43	100		
58	46.1	41.2	61.8
57	15.8	17.2	25.8#

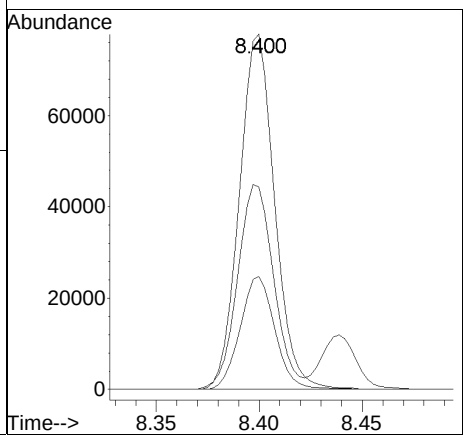


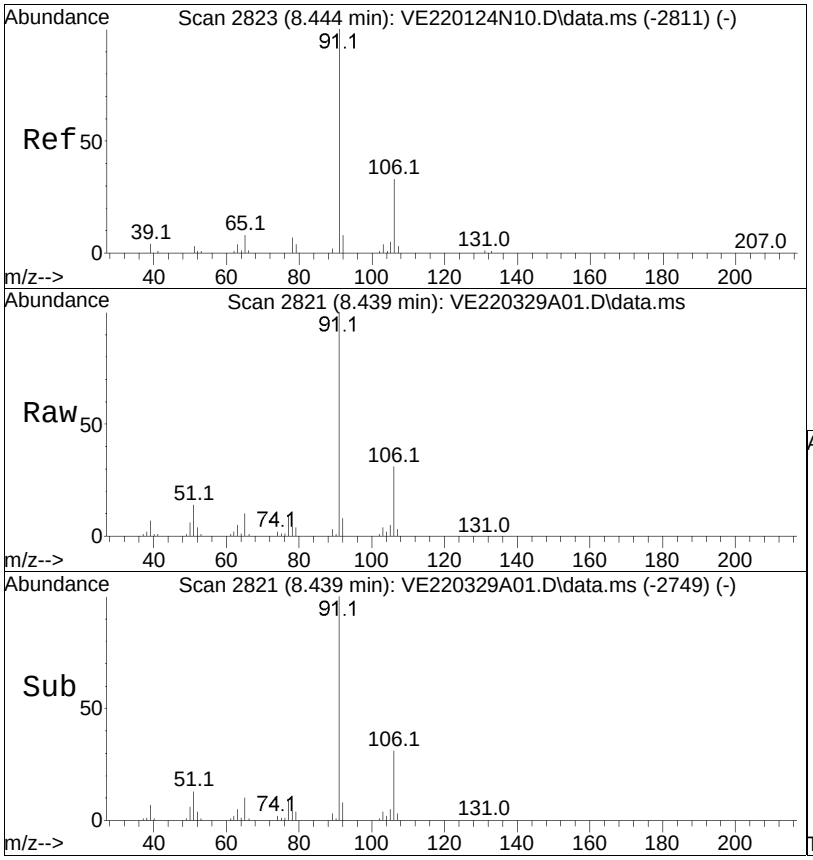


#73
Chlorobenzene
Concen: 10.17 ug/L
RT: 8.400 min Scan# 2807
Delta R.T. -0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:112 Resp: 92943

Ion	Ratio	Lower	Upper
112	100		
77	59.0	55.4	83.0
114	31.3	25.4	38.2

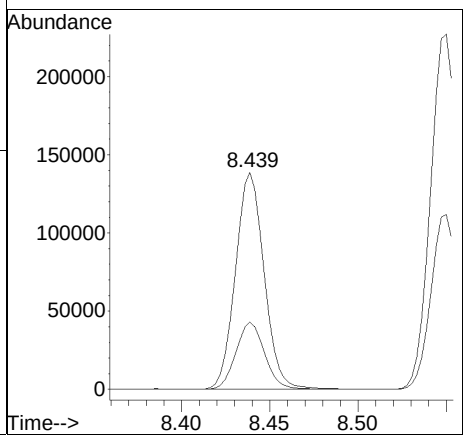


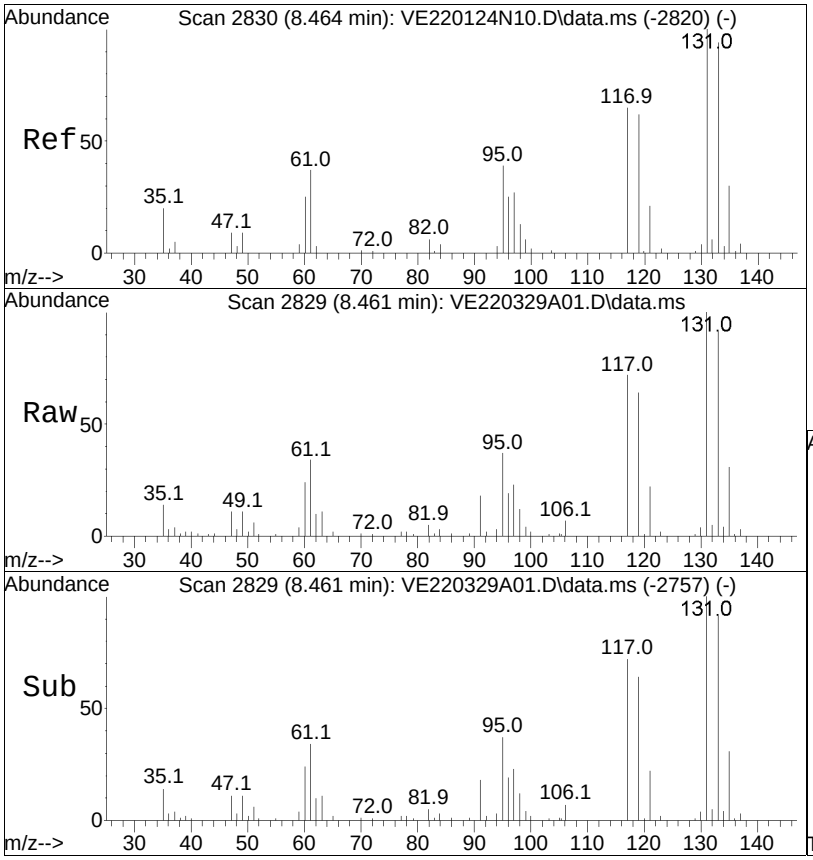


#74
Ethylbenzene
Concen: 10.42 ug/L
RT: 8.439 min Scan# 2821
Delta R.T. -0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 91 Resp: 157089

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.3	36.5

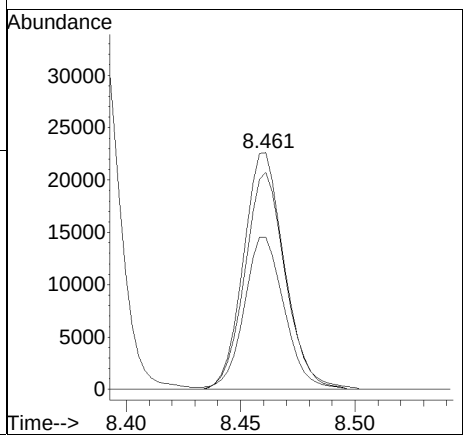


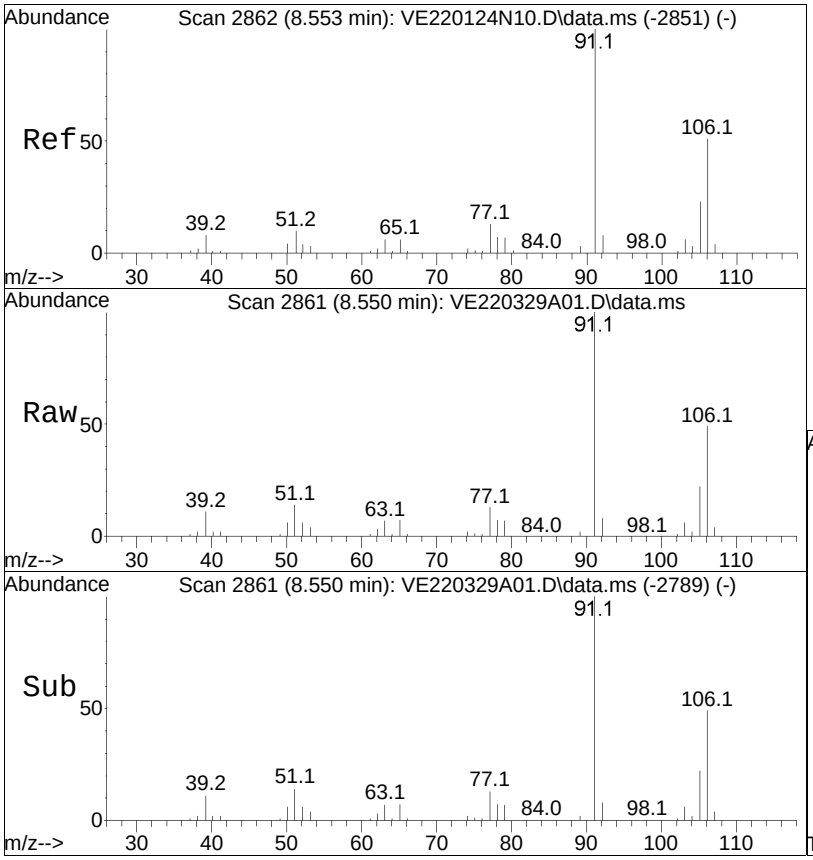


#75
1,1,1,2-Tetrachloroethane
Concen: 9.45 ug/L
RT: 8.461 min Scan# 2829
Delta R.T. -0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:131 Resp: 28361

Ion	Ratio	Lower	Upper
131	100		
133	90.1	81.0	121.0
119	62.7	41.3	81.3

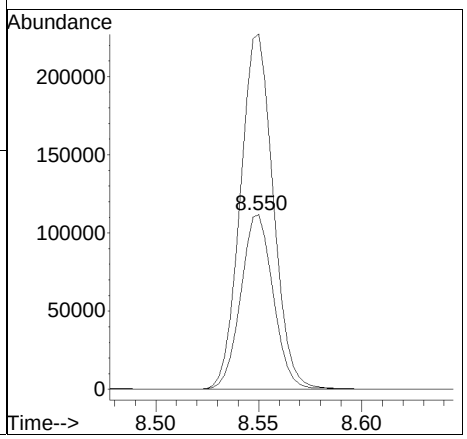


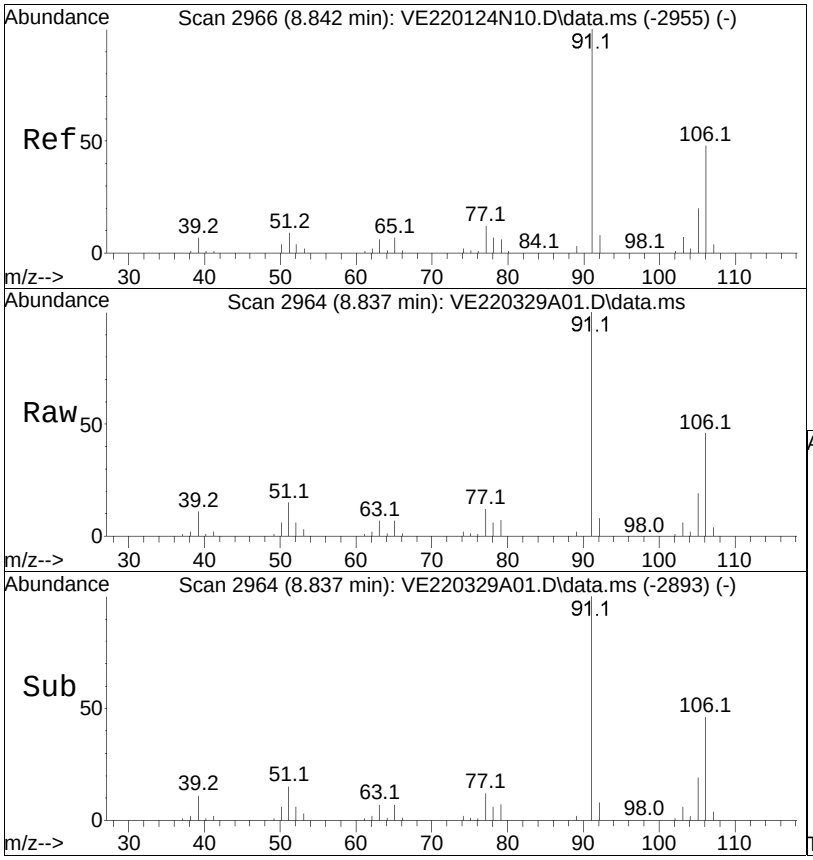


#76
p/m Xylene
Concen: 21.20 ug/L
RT: 8.550 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:106 Resp: 122618

Ion	Ratio	Lower	Upper
106	100		
91	206.1	166.4	249.6

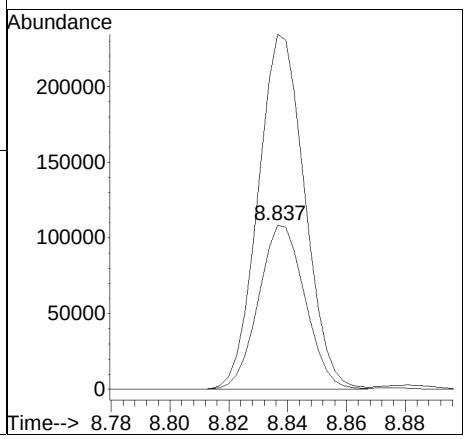


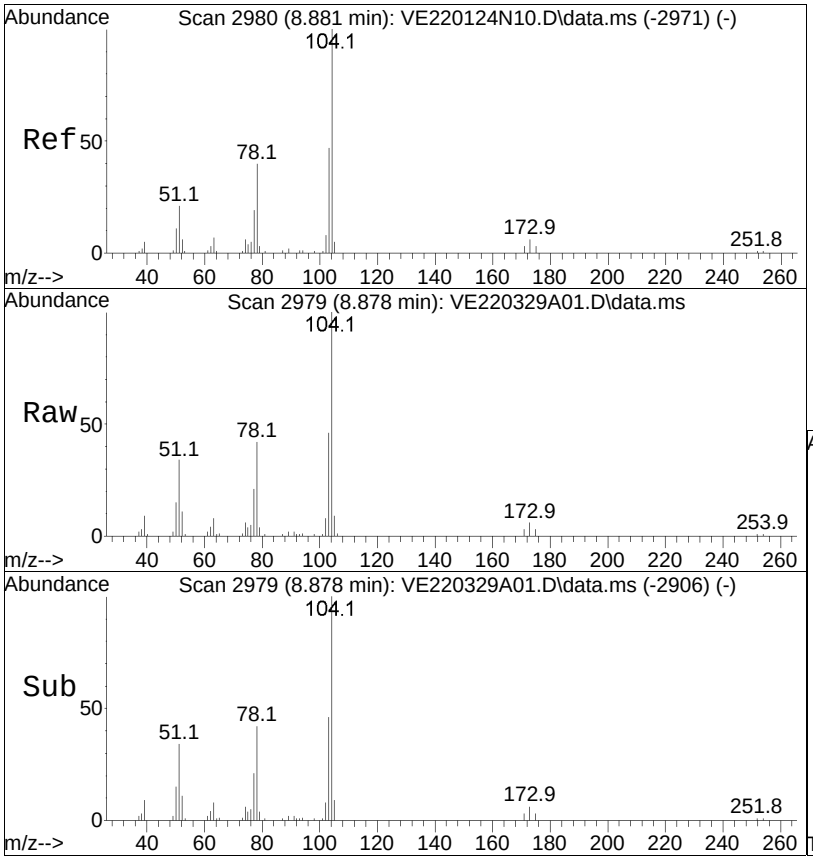


#77
o Xylene
Concen: 20.87 ug/L
RT: 8.837 min Scan# 2964
Delta R.T. -0.002 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:106 Resp: 119135

Ion	Ratio	Lower	Upper
106	100		
91	216.5	182.6	273.8

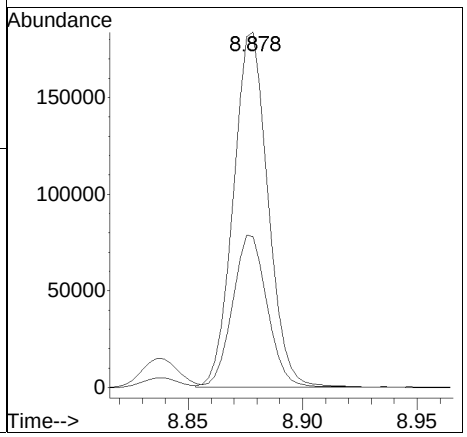


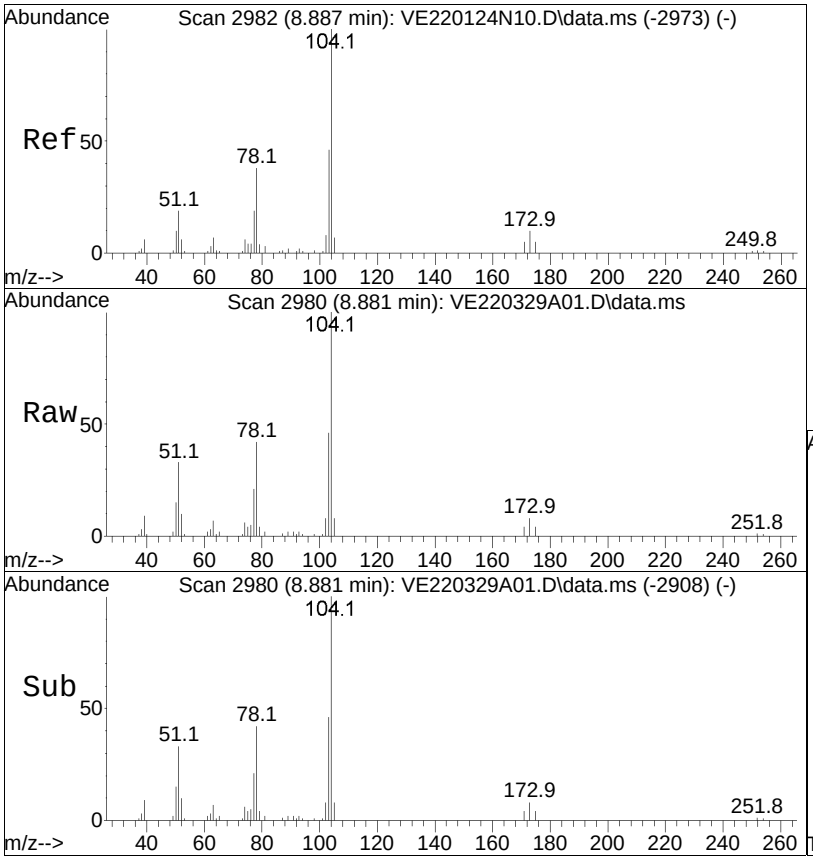


#78
Styrene
Concen: 21.07 ug/L
RT: 8.878 min Scan# 2979
Delta R.T. 0.002 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:104 Resp: 192973

Ion	Ratio	Lower	Upper
104	100		
78	42.8	39.8	59.6

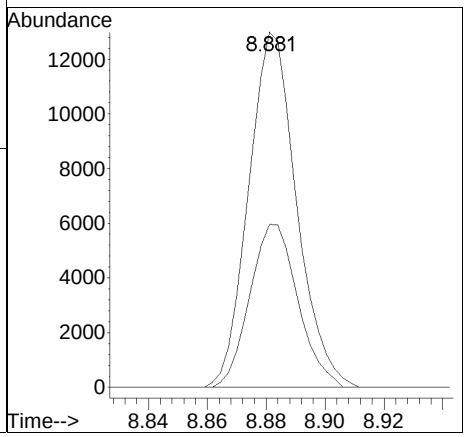


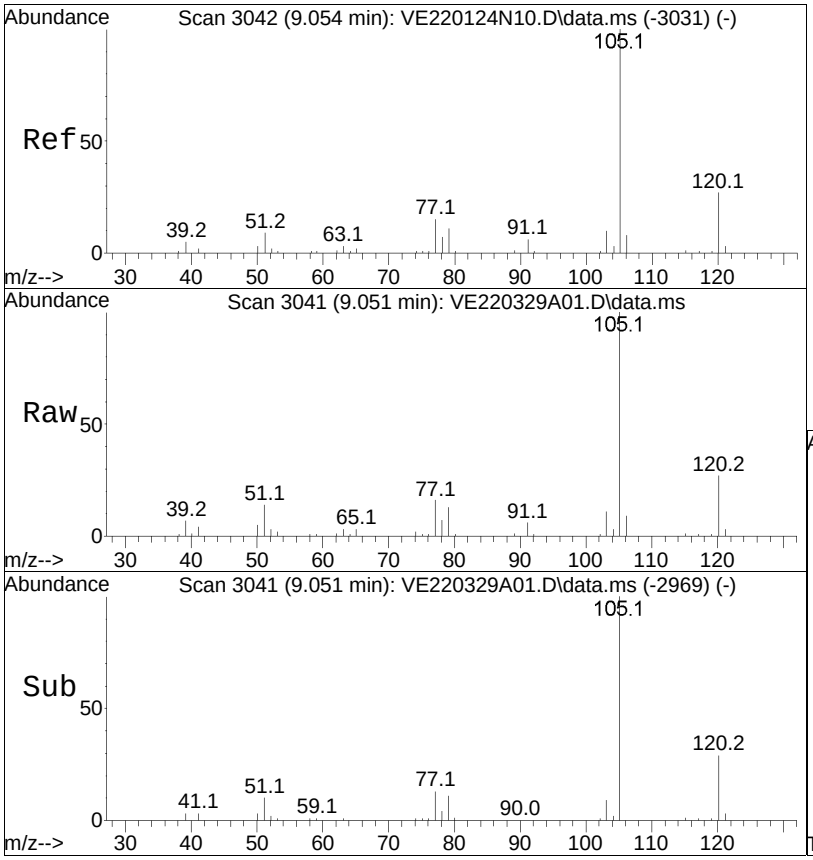


#80
Bromoform
Concen: 8.41 ug/L
RT: 8.881 min Scan# 2980
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:173 Resp: 14719

Ion	Ratio	Lower	Upper
173	100		
175	45.9	31.5	71.5

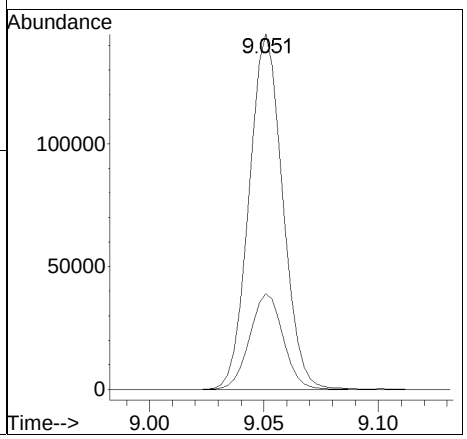


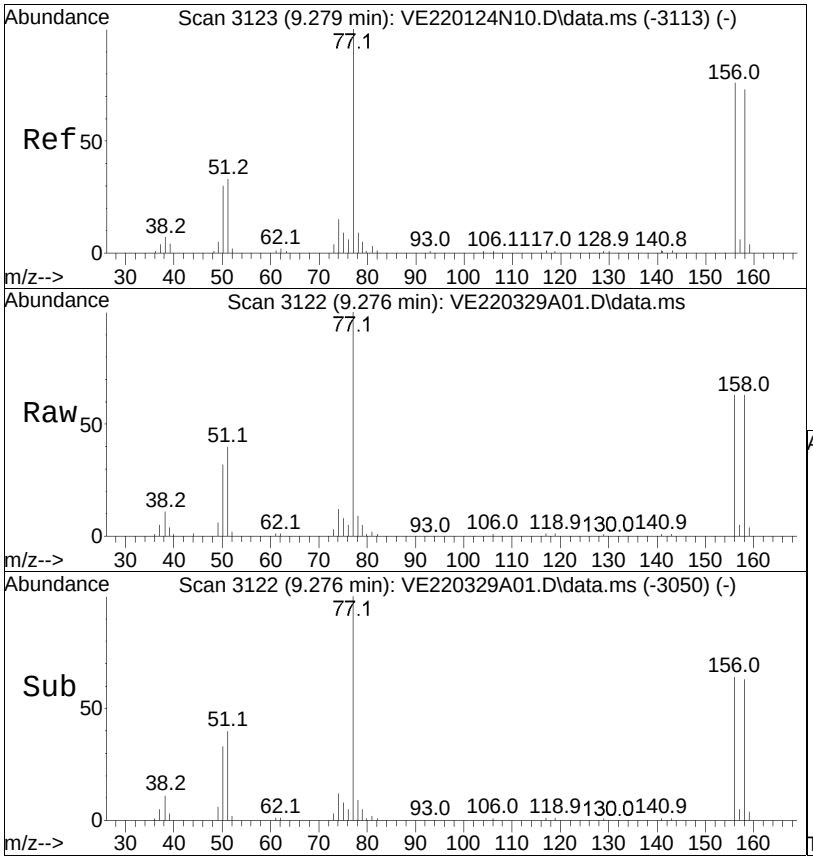


#82
Isopropylbenzene
Concen: 10.21 ug/L
RT: 9.051 min Scan# 3041
Delta R.T. -0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:105 Resp: 147671

Ion	Ratio	Lower	Upper
105	100		
120	26.7	4.8	44.8

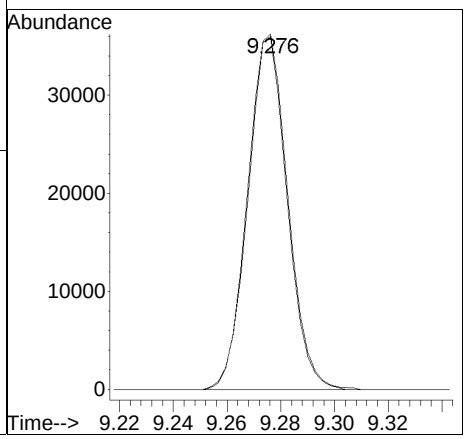


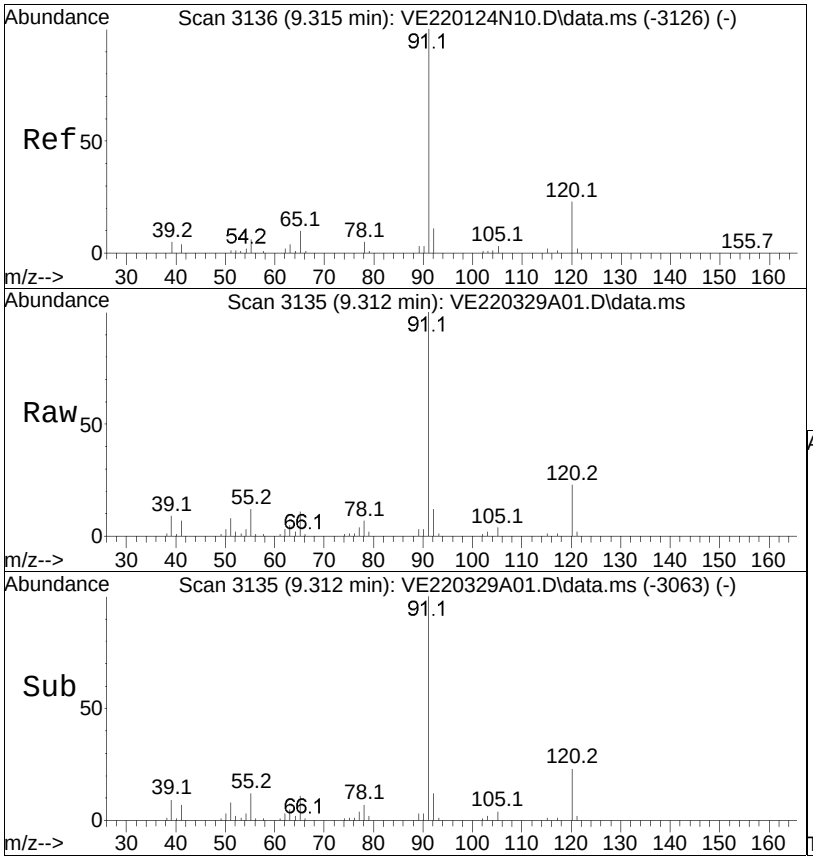


#84
Bromobenzene
Concen: 10.15 ug/L
RT: 9.276 min Scan# 3122
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:156 Resp: 37639

Ion	Ratio	Lower	Upper
156	100		
158	96.6	75.9	113.9

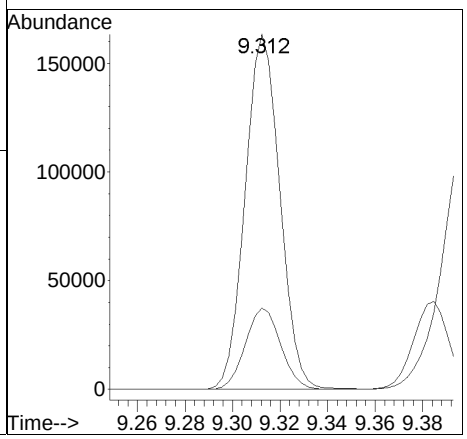


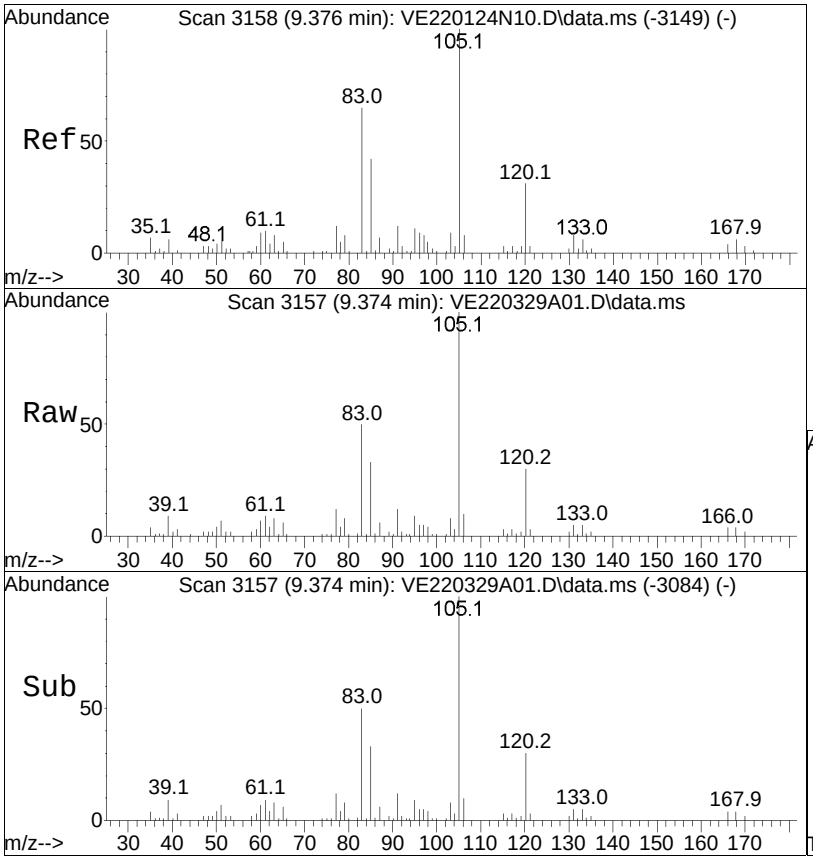


#85
n-Propylbenzene
Concen: 10.07 ug/L
RT: 9.312 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 91 Resp: 165860

Ion	Ratio	Lower	Upper
91	100		
120	23.3	17.0	25.6

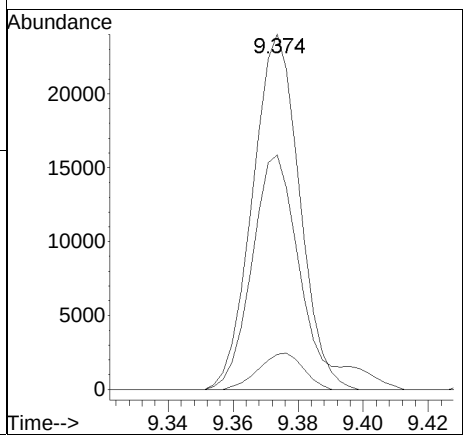


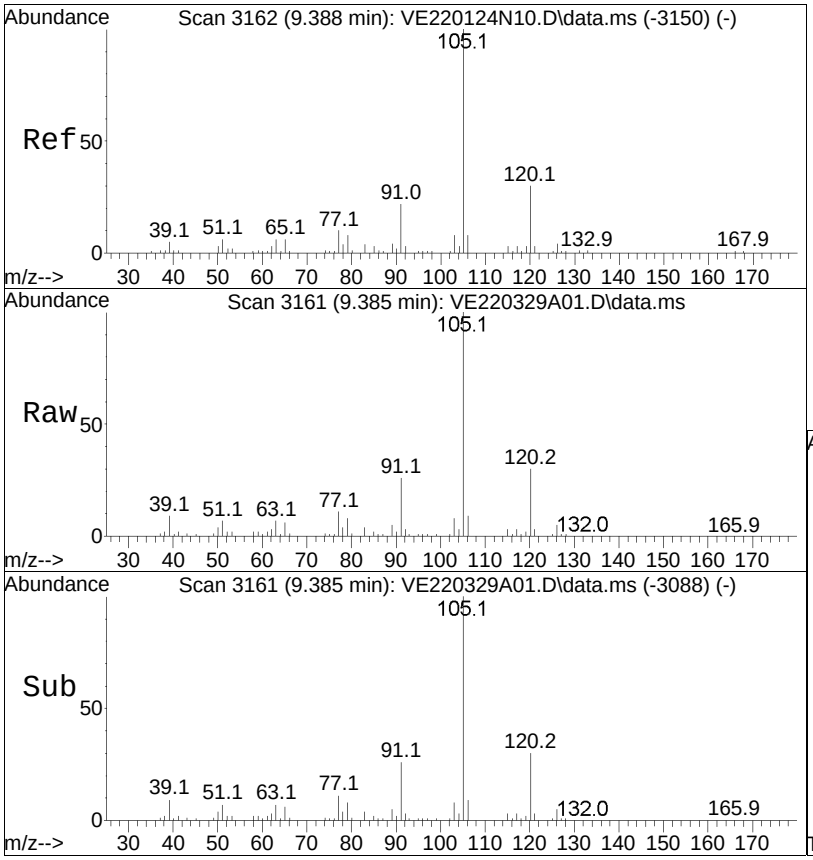


#87
1,1,2,2-Tetrachloroethane
Concen: 8.09 ug/L
RT: 9.374 min Scan# 3157
Delta R.T. 0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 83 Resp: 24120

Ion	Ratio	Lower	Upper
83	100		
131	9.7	0.0	30.4
85	70.4	45.4	85.4

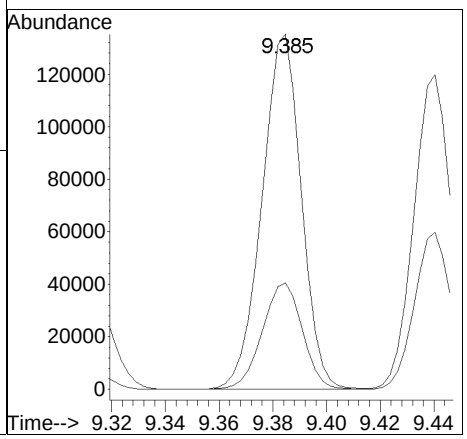


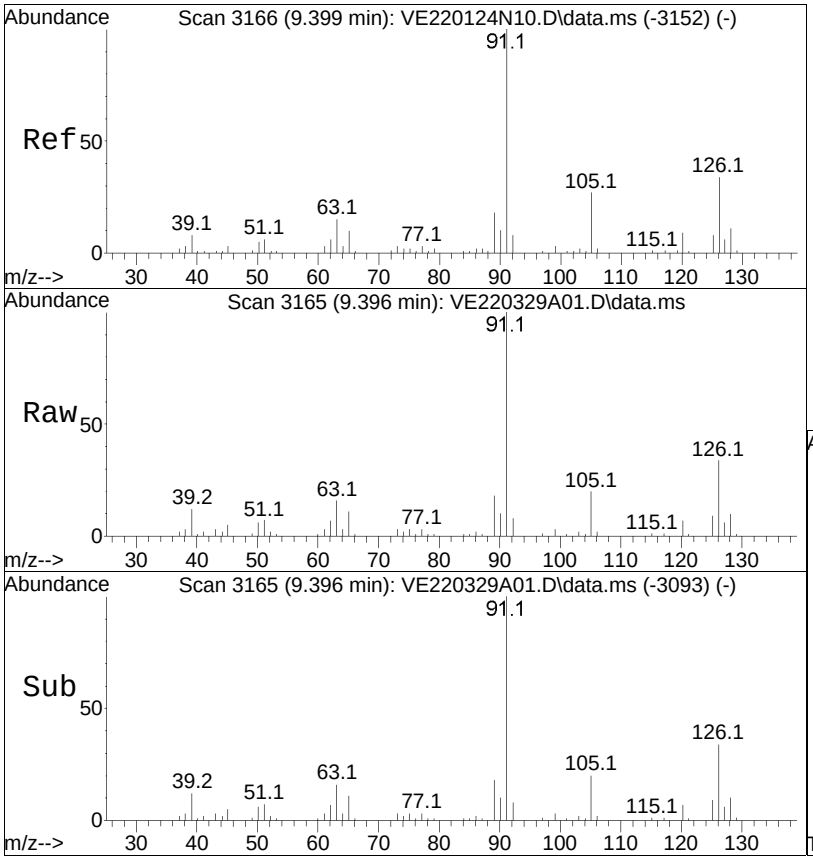


#88
4-Ethyltoluene
Concen: 10.10 ug/L
RT: 9.385 min Scan# 3161
Delta R.T. 0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:105 Resp: 137600

Ion	Ratio	Lower	Upper
105	100		
120	30.5	18.1	37.7

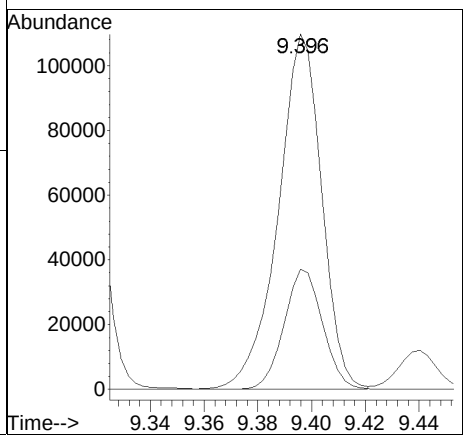


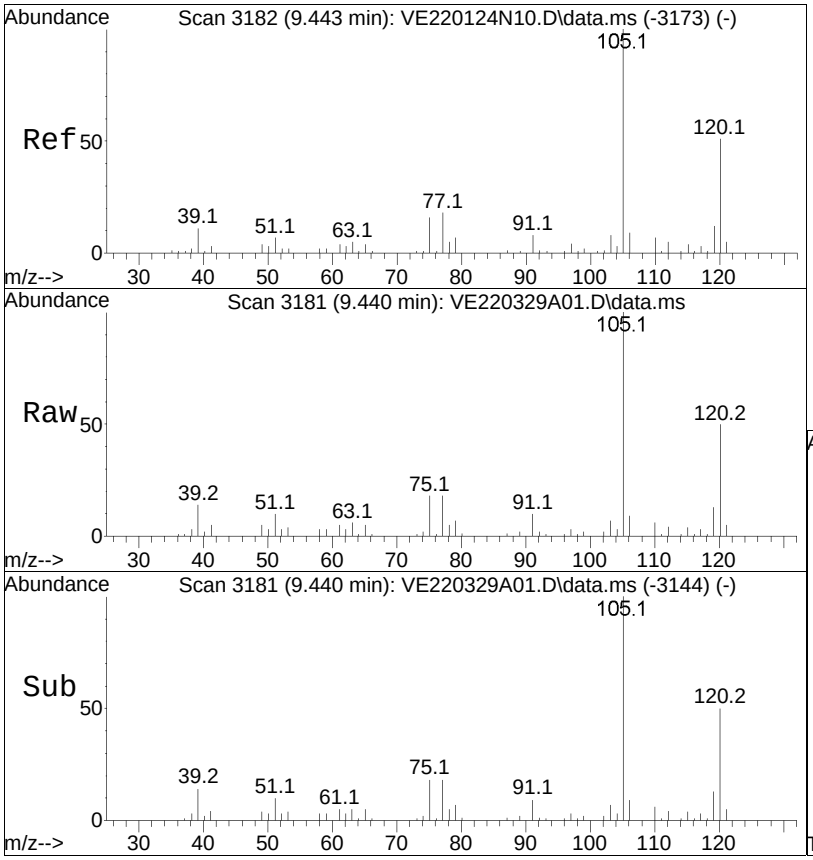


#89
2-Chlorotoluene
Concen: 10.02 ug/L
RT: 9.396 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 91 Resp: 123183

Ion	Ratio	Lower	Upper
91	100		
126	30.0	21.5	32.3

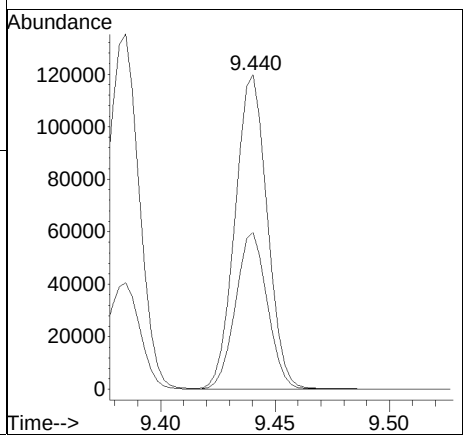


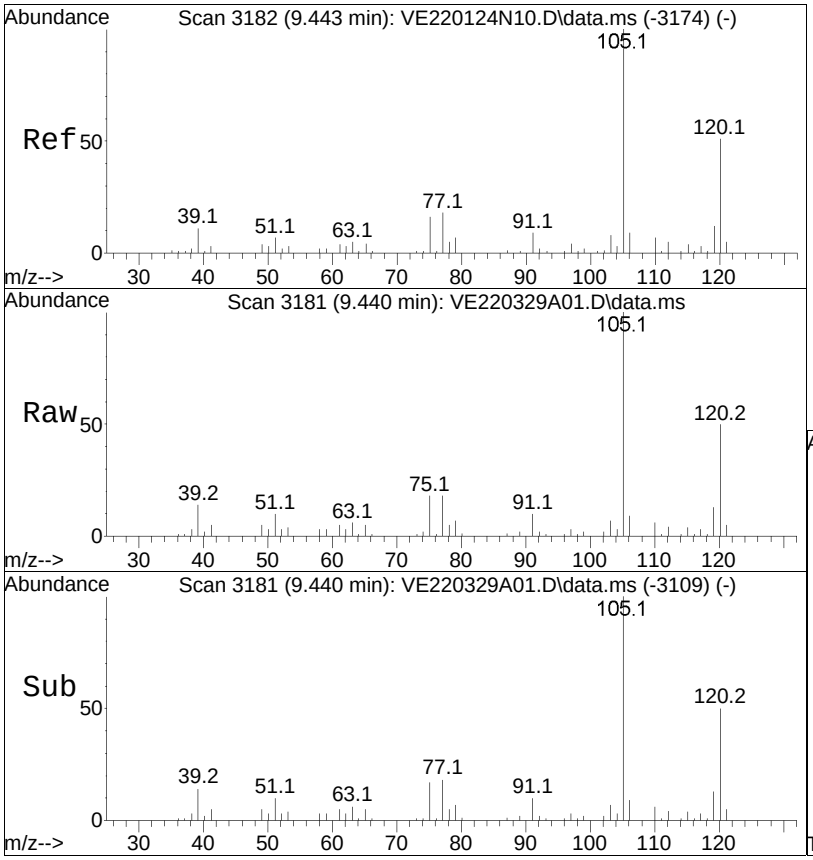


#90
1,3,5-Trimethylbenzene
Concen: 10.10 ug/L
RT: 9.440 min Scan# 3181
Delta R.T. 0.002 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:105 Resp: 117037

Ion	Ratio	Lower	Upper
105	100		
120	49.4	34.8	52.2

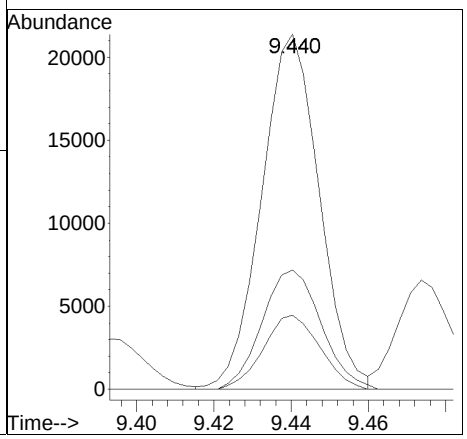


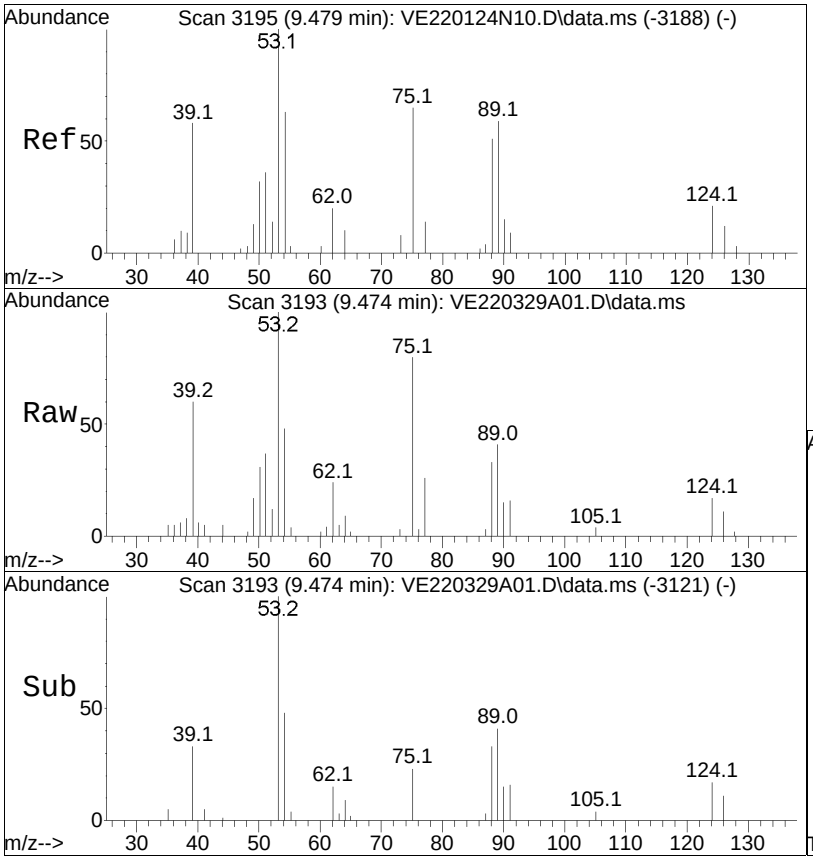


#91
1,2,3-Trichloropropane
Concen: 8.72 ug/L
RT: 9.440 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 75 Resp: 22196

Ion	Ratio	Lower	Upper
75	100		
110	34.4	25.4	52.8
112	20.6	15.6	32.4

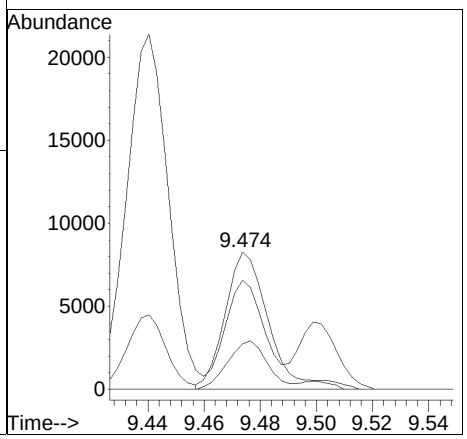


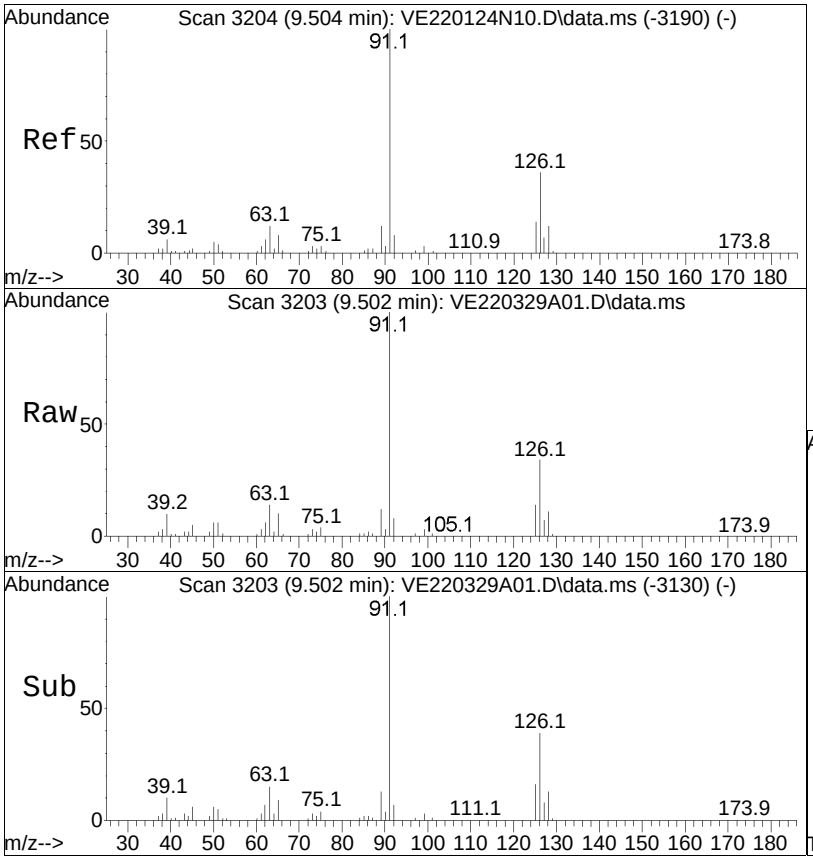


#92
trans-1,4-Dichloro-2-butene
Concen: 8.48 ug/L
RT: 9.474 min Scan# 3193
Delta R.T. -0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 53 Resp: 8969

Ion	Ratio	Lower	Upper
53	100		
88	31.8	39.6	59.4#
75	70.9	70.2	105.4

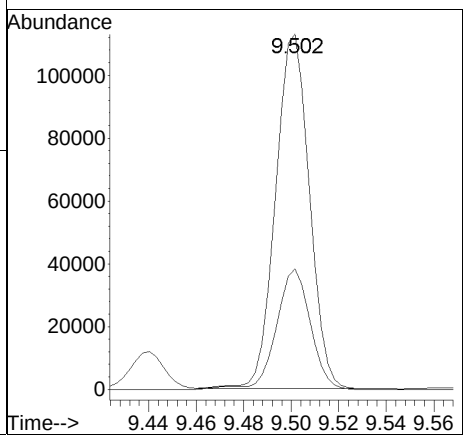


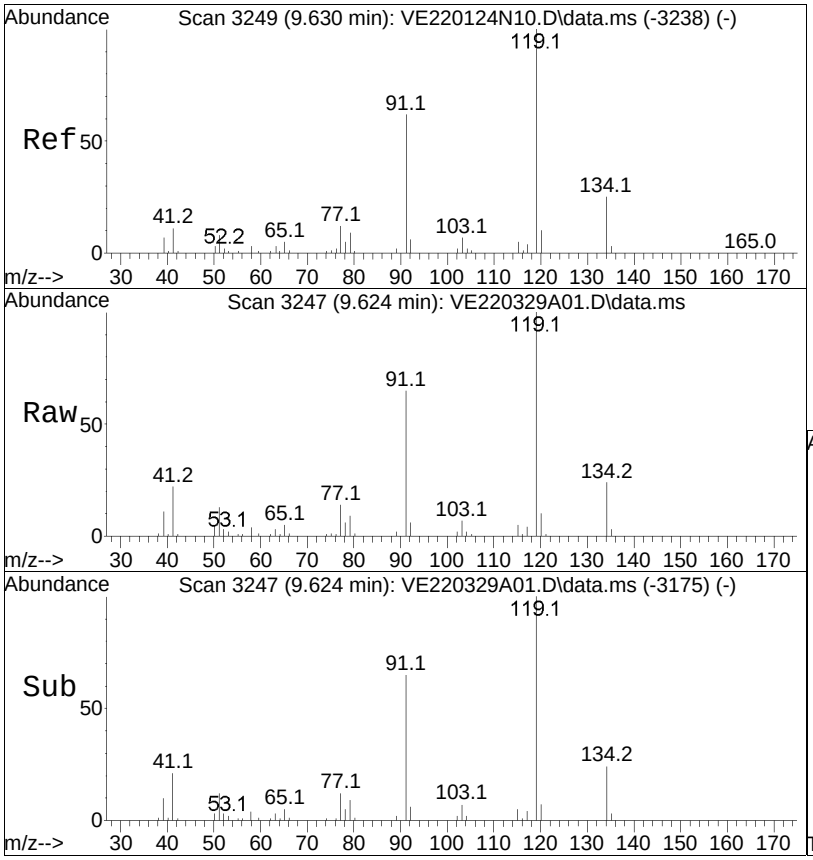


#93
4-Chlorotoluene
Concen: 9.91 ug/L
RT: 9.502 min Scan# 3203
Delta R.T. 0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 91 Resp: 111522

Ion	Ratio	Lower	Upper
91	100		
126	34.2	24.6	36.8

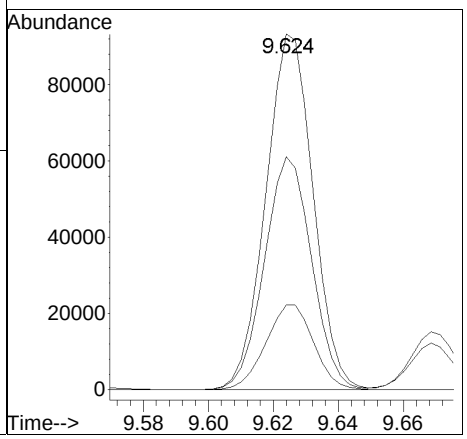


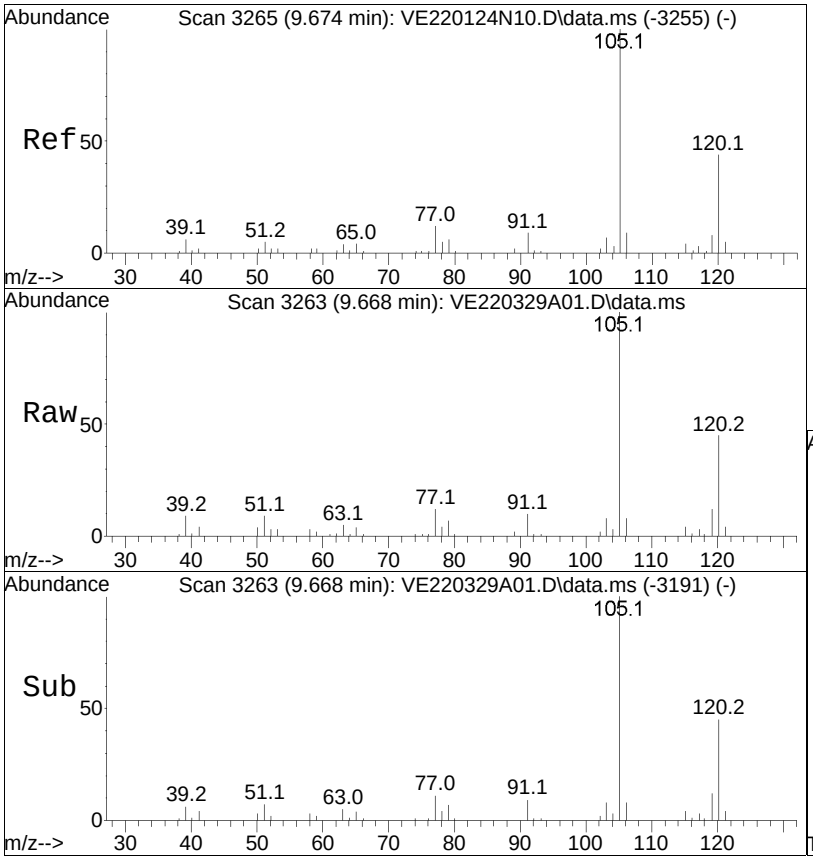


#94
tert-Butylbenzene
Concen: 10.16 ug/L
RT: 9.624 min Scan# 3247
Delta R.T. -0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:119 Resp: 94235

Ion	Ratio	Lower	Upper
119	100		
91	65.4	51.4	77.2
134	23.9	18.3	27.5

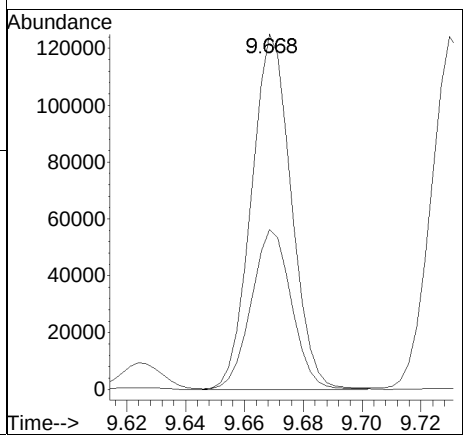


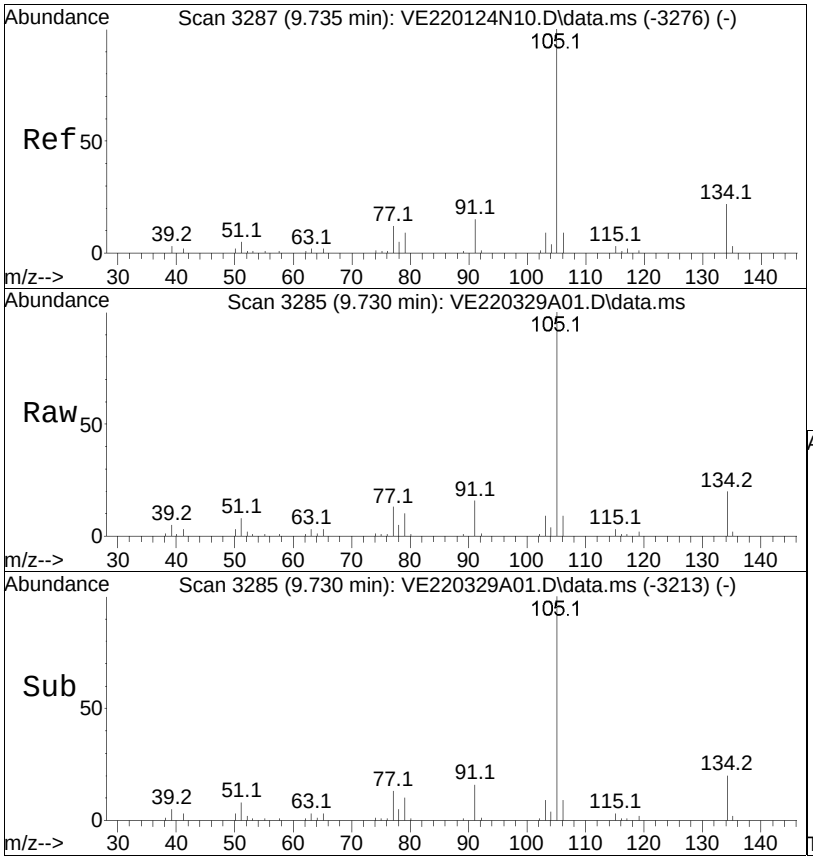


#97
1,2,4-Trimethylbenzene
Concen: 9.96 ug/L
RT: 9.668 min Scan# 3263
Delta R.T. -0.001 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:105 Resp: 117652

Ion	Ratio	Lower	Upper
105	100		
120	45.5	33.4	50.0

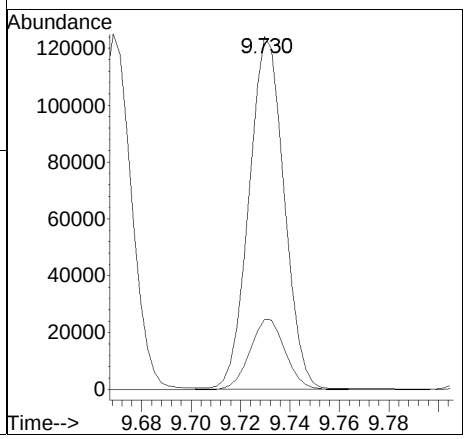


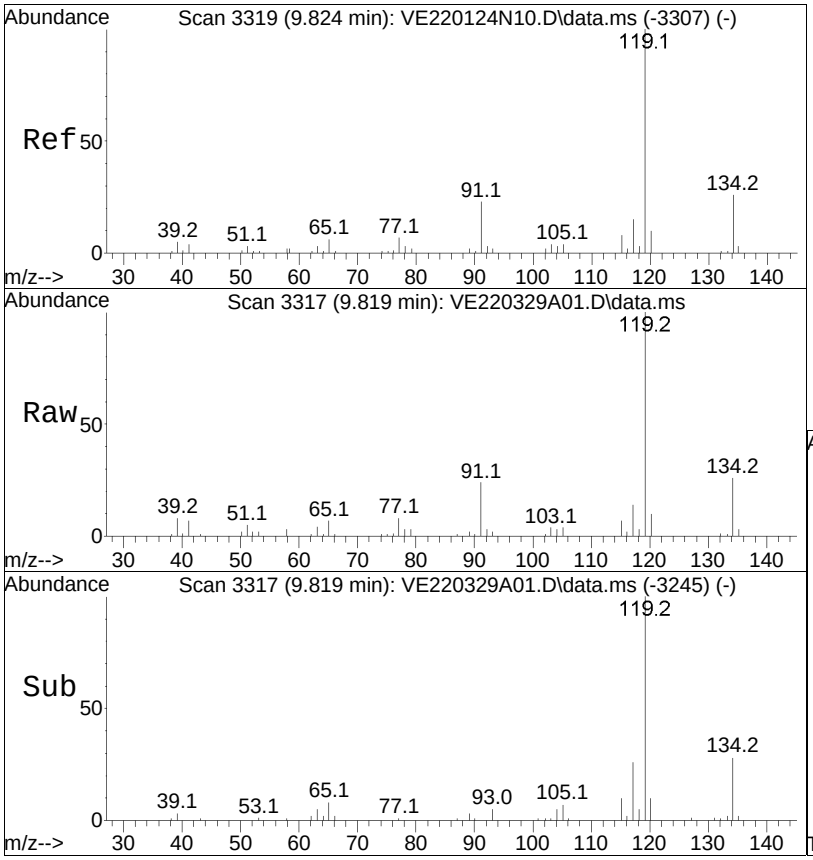


#98
sec-Butylbenzene
Concen: 9.94 ug/L
RT: 9.730 min Scan# 3285
Delta R.T. -0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:105 Resp: 122217

Ion	Ratio	Lower	Upper
105	100		
134	19.9	12.5	26.1

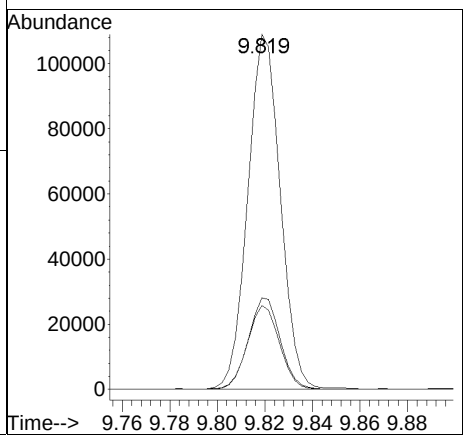


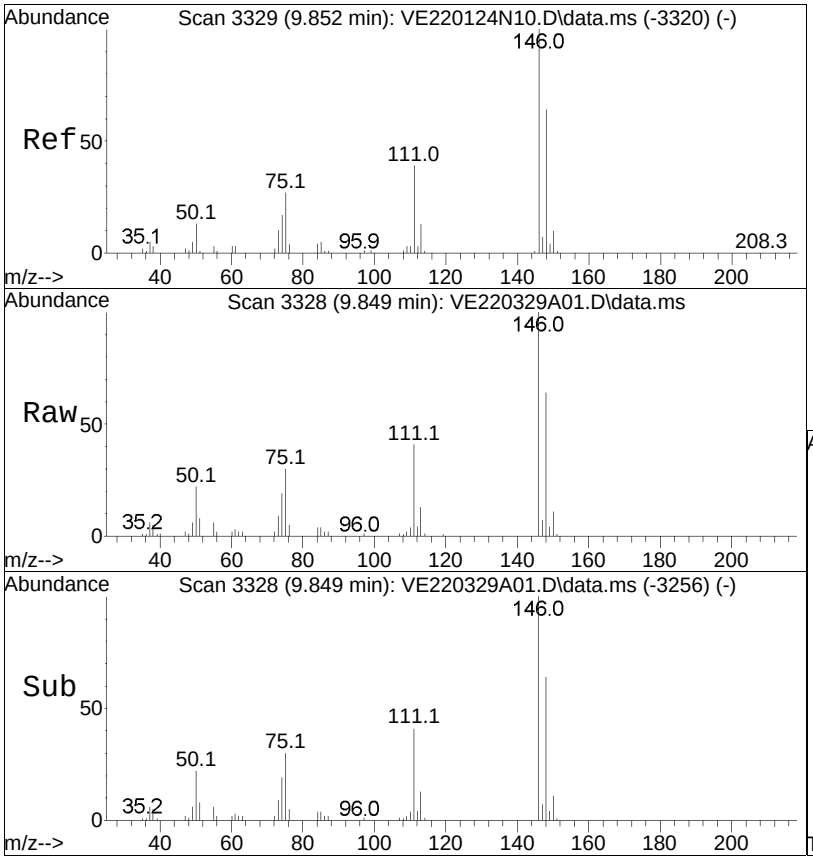


#99
p-Isopropyltoluene
Concen: 9.30 ug/L
RT: 9.819 min Scan# 3317
Delta R.T. -0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:119 Resp: 103833

Ion	Ratio	Lower	Upper
119	100		
134	25.3	16.1	33.3
91	23.3	17.3	35.9

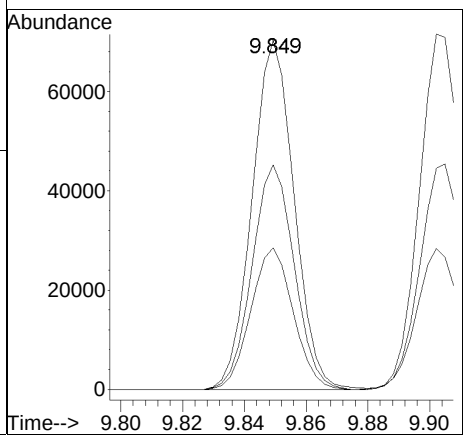


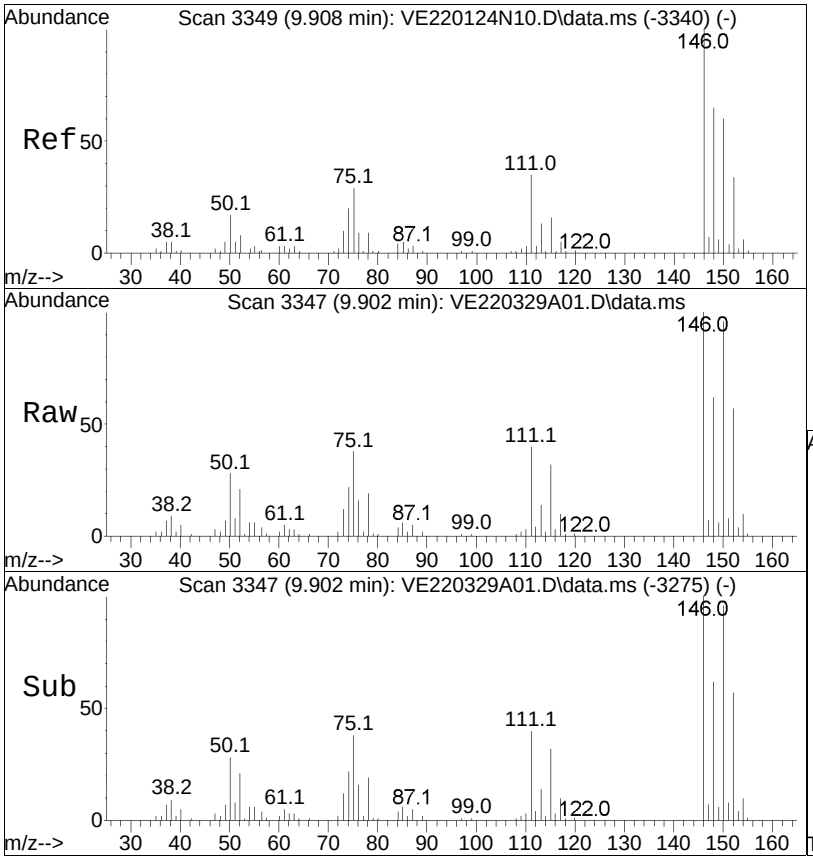


#100
1,3-Dichlorobenzene
Concen: 9.99 ug/L
RT: 9.849 min Scan# 3328
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:146 Resp: 66468

Ion	Ratio	Lower	Upper
146	100		
111	40.8	27.5	57.1
148	64.4	41.9	86.9

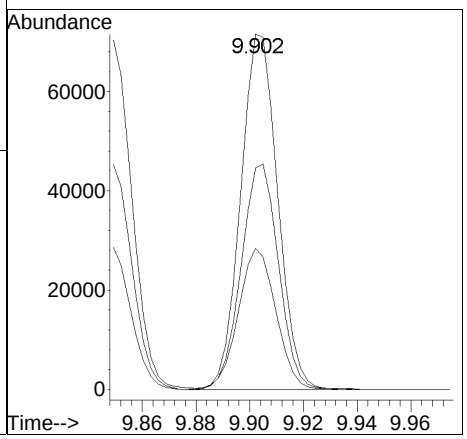


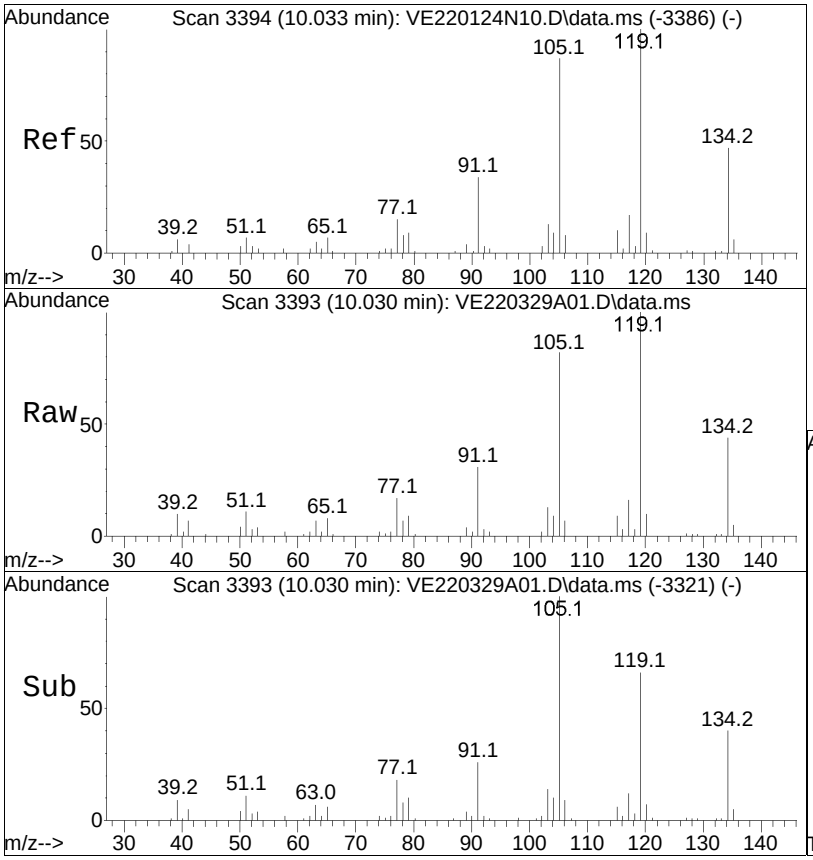


#101
1,4-Dichlorobenzene
Concen: 10.15 ug/L
RT: 9.902 min Scan# 3347
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:146 Resp: 68533

Ion	Ratio	Lower	Upper
146	100		
111	40.4	32.3	48.5
148	64.0	49.9	74.9

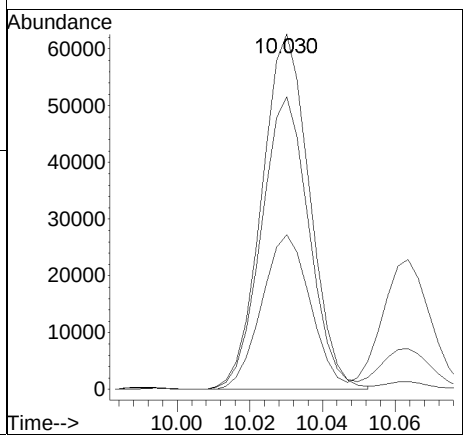


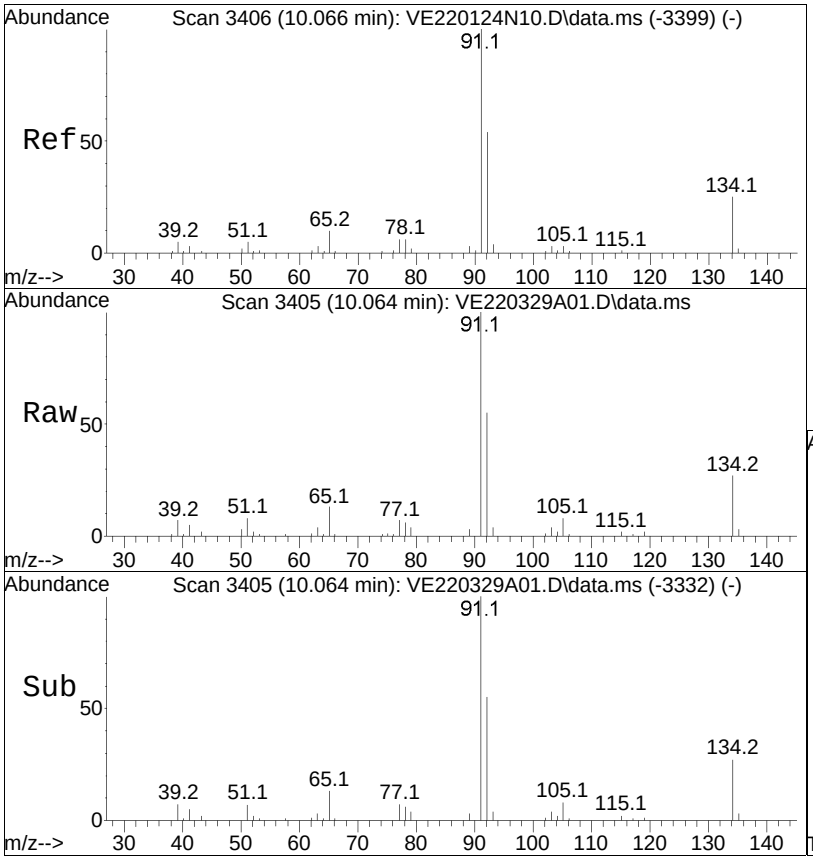


#102
p-Diethylbenzene
Concen: 9.25 ug/L
RT: 10.030 min Scan# 3393
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:119 Resp: 57271

Ion	Ratio	Lower	Upper
119	100		
105	82.1	59.5	123.7
134	44.3	30.2	62.6

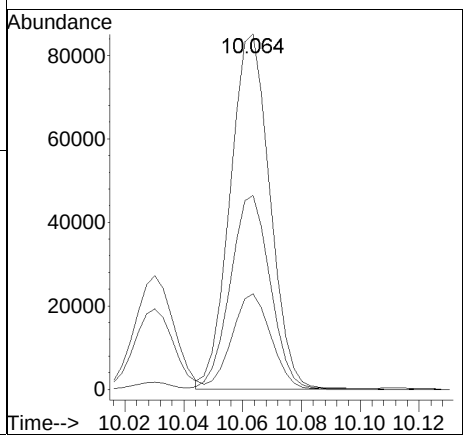


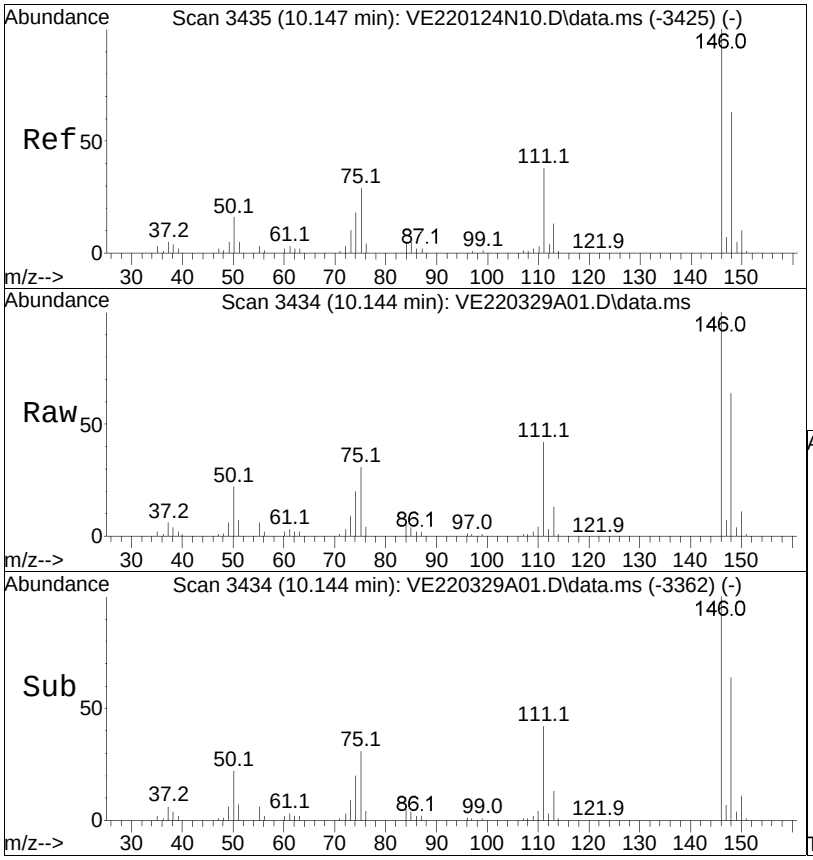


#103
n-Butylbenzene
Concen: 9.19 ug/L
RT: 10.064 min Scan# 3405
Delta R.T. 0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion: 91 Resp: 79766

Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.0	64.4
134	26.4	19.6	29.4

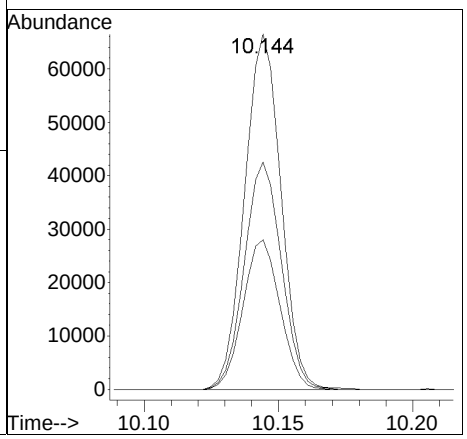


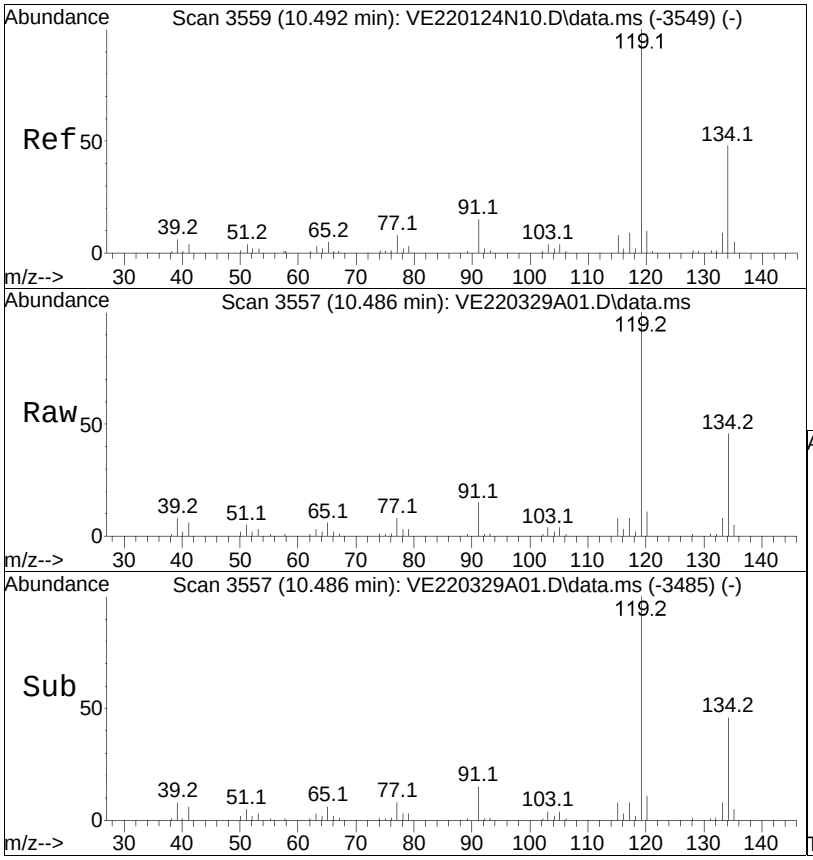


#104
1,2-Dichlorobenzene
Concen: 9.71 ug/L
RT: 10.144 min Scan# 3434
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:146 Resp: 62741

Ion	Ratio	Lower	Upper
146	100		
111	42.9	28.3	58.7
148	65.1	42.3	87.8

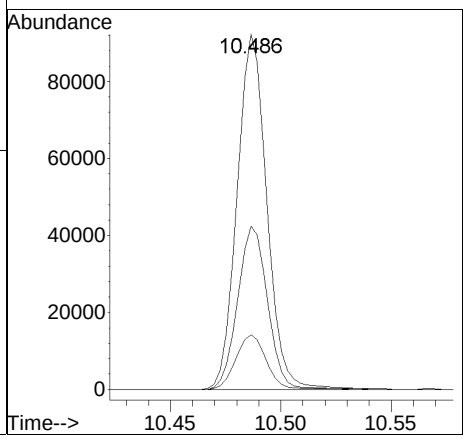


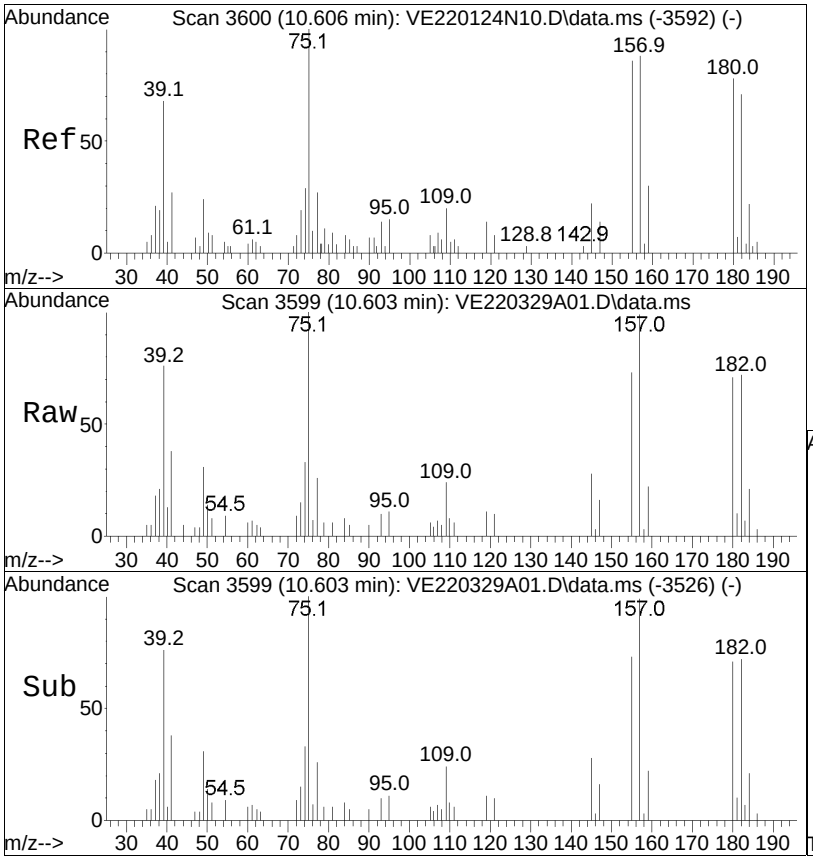


#105
1,2,4,5-Tetramethylbenzene
Concen: 8.78 ug/L
RT: 10.486 min Scan# 3557
Delta R.T. -0.001 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:119 Resp: 86563

Ion	Ratio	Lower	Upper
119	100		
134	46.3	30.5	63.3
91	15.6	12.4	25.7

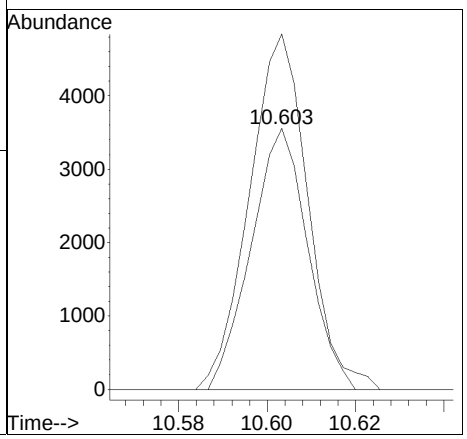


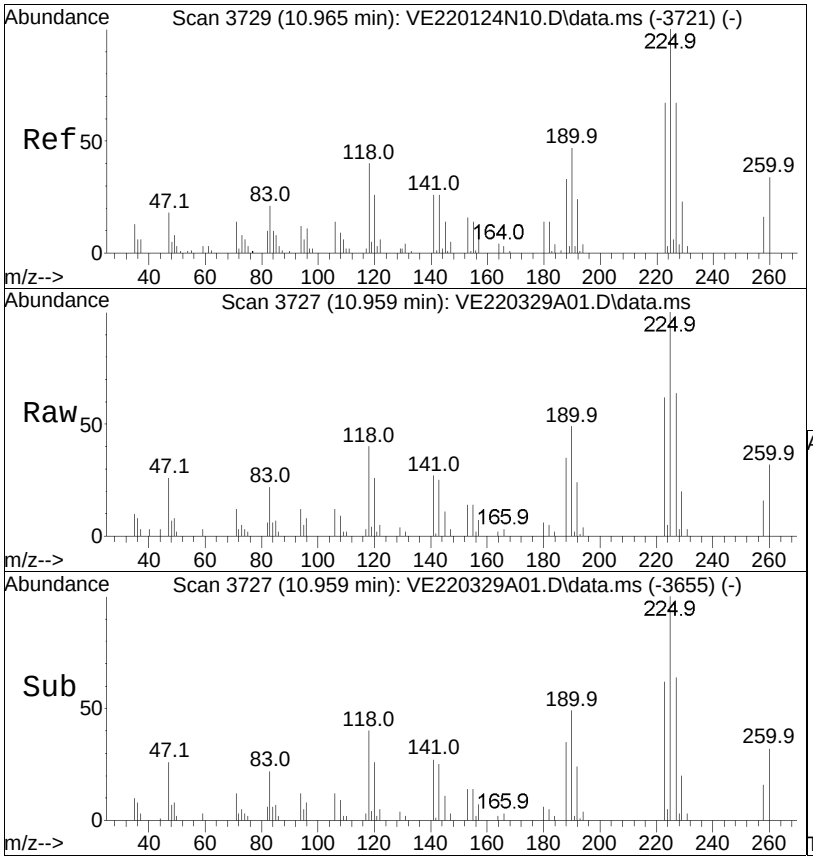


#106
1,2-Dibromo-3-chloropropane
Concen: 8.08 ug/L
RT: 10.603 min Scan# 3599
Delta R.T. 0.002 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:155 Resp: 3172

Ion	Ratio	Lower	Upper
155	100		
157	140.5	94.8	142.2

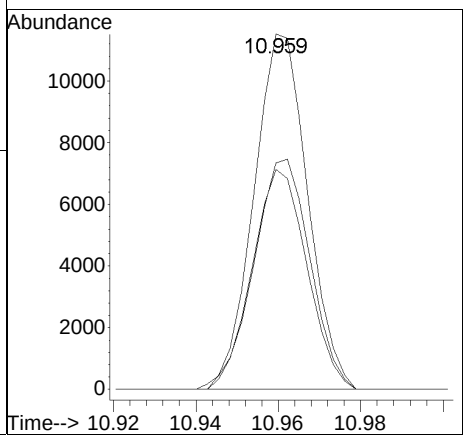


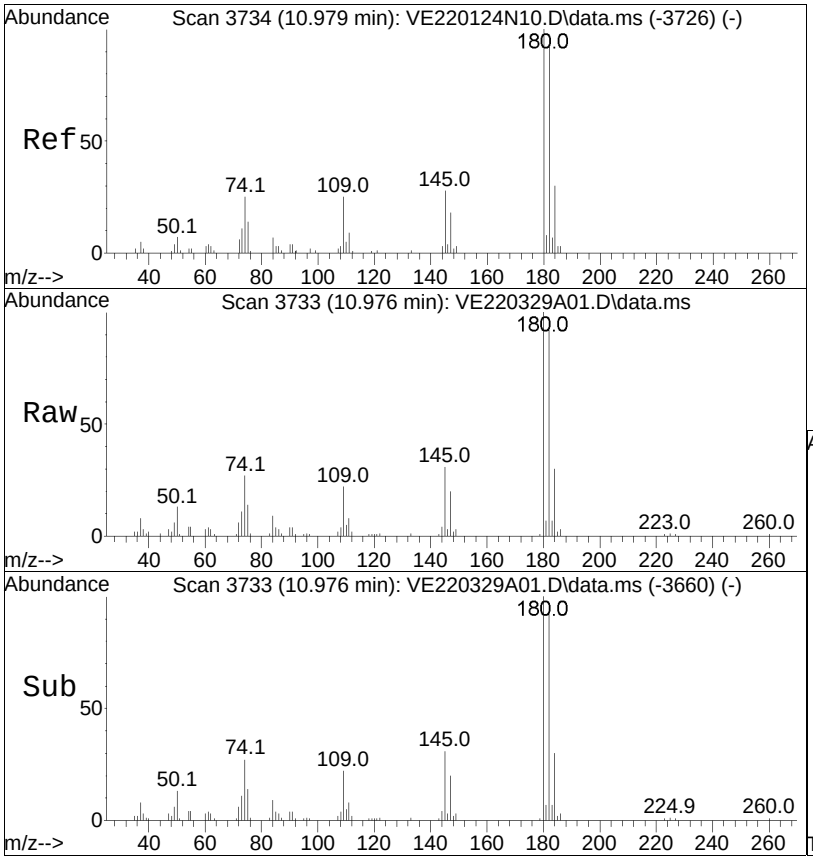


#108
Hexachlorobutadiene
Concen: 9.95 ug/L
RT: 10.959 min Scan# 3727
Delta R.T. -0.001 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:225 Resp: 10455

Ion	Ratio	Lower	Upper
225	100		
223	63.0	54.3	81.5
227	67.8	52.4	78.6

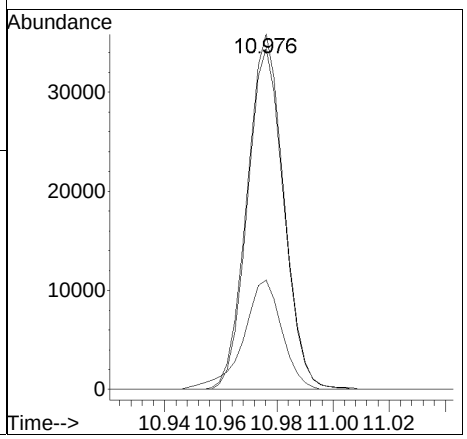


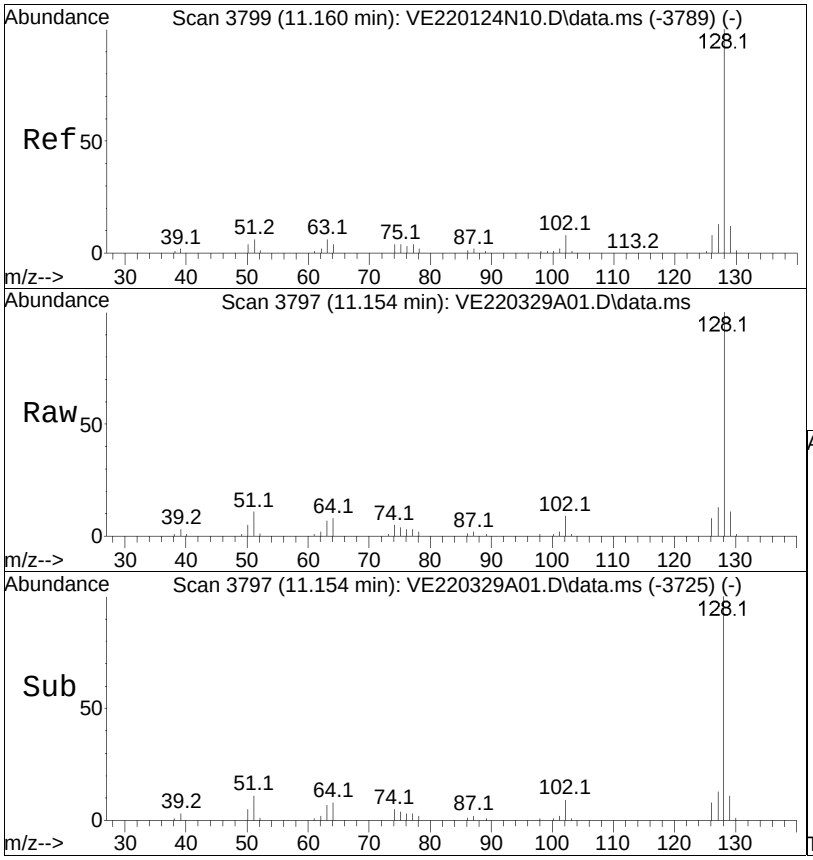


#109
1,2,4-Trichlorobenzene
Concen: 9.04 ug/L
RT: 10.976 min Scan# 3733
Delta R.T. 0.003 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:180 Resp: 32614

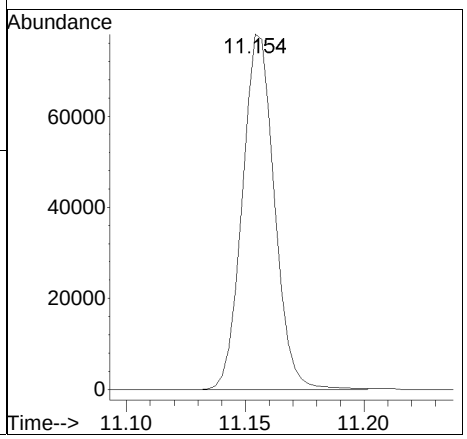
Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.3	115.9
145	32.3	28.1	42.1

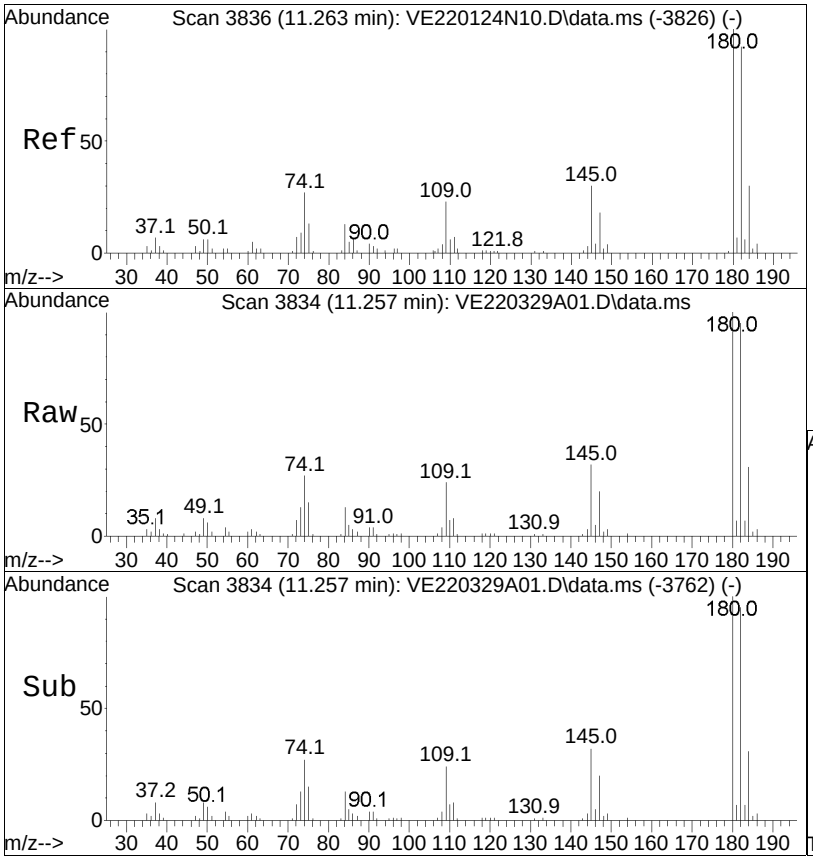




#110
Naphthalene
Concen: 7.91 ug/L
RT: 11.154 min Scan# 3797
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:128 Resp: 73381

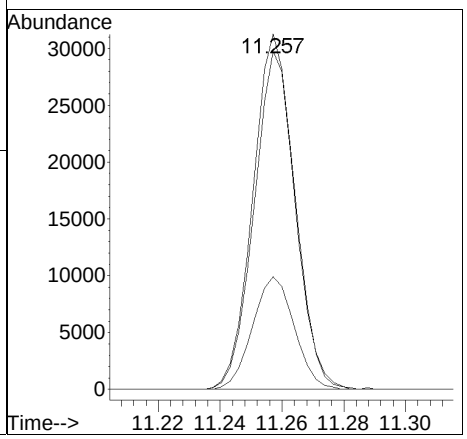




#111
1,2,3-Trichlorobenzene
Concen: 8.85 ug/L
RT: 11.257 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VE220329A01.D
Acq: 29 Mar 2022 6:50 am

Tgt Ion:180 Resp: 29363

Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.4	114.6
145	31.7	26.4	39.6



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A02.D
Acq On : 23 Mar 2022 09:48 am
Operator : VOA122:PD
Sample : WG1619277-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 23 10:08:20 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.602	96	201828	10.000	ug/L	0.00
Standard Area 1 = 208471			Recovery = 96.81%			
62) Chlorobenzene-d5	9.107	117	169882	10.000	ug/L	0.00
Standard Area 1 = 173941			Recovery = 97.67%			
83) 1,4-Dichlorobenzene-d4	11.908	152	101927	10.000	ug/L	0.00
Standard Area 1 = 105828			Recovery = 96.31%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.802	113	65818	10.320	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.20%			
46) 1,2-Dichloroethane-d4	5.314	65	65303	10.439	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.39%			
63) Toluene-d8	7.276	98	202913	9.686	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.86%			
87) 4-Bromofluorobenzene	10.646	95	79360	8.622	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.22%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.449	85	48061	9.029	ug/L	95
3) Chloromethane	1.623	50	53382	10.639	ug/L	98
4) Vinyl chloride	1.679	62	69877	13.456	ug/L	98
5) Bromomethane	1.951	94	30651	15.114	ug/L	98
6) Chloroethane	2.062	64	60692	18.425	ug/L	99
7) Trichlorofluoromethane	2.188	101	88731	11.556	ug/L	100
8) Ethyl ether	2.467	74	18975	9.153	ug/L #	1
10) 1,1-Dichloroethene	2.648	96	47381	11.118	ug/L #	78
11) Carbon disulfide	2.676	76	118654	10.373	ug/L	99
15) Methylene chloride	3.164	84	52317	10.829	ug/L #	75
17) Acetone	3.206	43	8785	10.111	ug/L	97
18) trans-1,2-Dichloroethene	3.317	96	52266	11.357	ug/L	87
21) Methyl tert-butyl ether	3.408	73	73274	8.751	ug/L #	88
25) 1,1-Dichloroethane	3.875	63	100228	11.729	ug/L	97
27) Acrylonitrile	3.917	53	11484	10.744	ug/L	94
29) Vinyl acetate	4.105	43	59163	9.842	ug/L #	90
30) cis-1,2-Dichloroethene	4.377	96	56189	10.827	ug/L #	84
31) 2,2-Dichloropropane	4.474	77	72591	11.320	ug/L	87
32) Bromochloromethane	4.558	128	25947	10.892	ug/L #	76
34) Chloroform	4.628	83	95584	10.668	ug/L #	95

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A02.D
Acq On : 23 Mar 2022 09:48 am
Operator : VOA122:PD
Sample : WG1619277-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 23 10:08:20 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	4.767	117	78886	11.933	ug/L		99
39) 1,1,1-Trichloroethane	4.830	97	81686	10.858	ug/L		95
41) 2-Butanone	4.921	43	11878	10.317	ug/L	#	77
42) 1,1-Dichloropropene	4.948	75	66557	11.164	ug/L		98
44) Benzene	5.188	78	176675	11.287	ug/L		94
47) 1,2-Dichloroethane	5.388	62	62347	11.130	ug/L		97
51) Trichloroethene	5.772	95	46398	10.641	ug/L		99
53) Dibromomethane	6.215	93	18287	10.918	ug/L		88
54) 1,2-Dichloropropane	6.311	63	45607	11.531	ug/L		97
57) Bromodichloromethane	6.377	83	63957	10.775	ug/L		100
60) 1,4-Dioxane	6.590	88	11814	427.305	ug/L	#	74
61) cis-1,3-Dichloropropene	7.069	75	57673	9.950	ug/L	#	90
64) Toluene	7.334	92	114973	10.472	ug/L		99
65) 4-Methyl-2-pentanone	7.769	58	7831	8.665	ug/L	#	83
66) Tetrachloroethene	7.777	166	56048	10.815	ug/L		94
68) trans-1,3-Dichloropropene	7.813	75	47664	8.158	ug/L		90
71) 1,1,2-Trichloroethane	7.997	83	24504	9.734	ug/L		97
72) Chlorodibromomethane	8.196	129	30746	10.593	ug/L		96
73) 1,3-Dichloropropane	8.314	76	51877	9.984	ug/L		98
74) 1,2-Dibromoethane	8.473	107	30048	9.560	ug/L		100
76) 2-Hexanone	8.782	43	12962	6.960	ug/L		88
77) Chlorobenzene	9.123	112	134831	10.647	ug/L		88
78) Ethylbenzene	9.171	91	232151	10.484	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.210	131	40909	9.408	ug/L		97
80) p/m Xylene	9.361	106	188917	21.641	ug/L		99
81) o Xylene	9.908	106	173735	20.809	ug/L		96
82) Styrene	9.980	104	283964	20.613	ug/L		99
84) Bromoform	9.988	173	26692	9.408	ug/L		99
86) Isopropylbenzene	10.313	105	246802	9.674	ug/L		99
88) Bromobenzene	10.765	156	61510	10.247	ug/L		100
89) n-Propylbenzene	10.820	91	292248	9.899	ug/L		98
91) 1,1,2,2-Tetrachloroethane	10.907	83	39052	9.741	ug/L		98
92) 4-Ethyltoluene	10.955	105	234953	9.524	ug/L		99
93) 2-Chlorotoluene	10.987	91	195167	9.690	ug/L		98
94) 1,3,5-Trimethylbenzene	11.058	105	194242	9.368	ug/L		99
95) 1,2,3-Trichloropropane	11.050	75	30140	9.158	ug/L		100
96) trans-1,4-Dichloro-2-b...	11.114	53	9666	7.633	ug/L	#	72
97) 4-Chlorotoluene	11.177	91	174374	9.678	ug/L		99
98) tert-Butylbenzene	11.414	119	125748	8.536	ug/L		99

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A02.D
Acq On : 23 Mar 2022 09:48 am
Operator : VOA122:PD
Sample : WG1619277-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 23 10:08:20 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.491	105	191696	9.408	ug/L	99
102) sec-Butylbenzene	11.609	105	257976	9.851	ug/L	99
103) p-Isopropyltoluene	11.769	119	216118	9.572	ug/L	99
104) 1,3-Dichlorobenzene	11.825	146	125283	10.380	ug/L	99
105) 1,4-Dichlorobenzene	11.922	146	124579	10.209	ug/L	99
106) p-Diethylbenzene	12.159	119	122407	9.321	ug/L	99
107) n-Butylbenzene	12.214	91	186287	10.242	ug/L	98
108) 1,2-Dichlorobenzene	12.354	146	111578	10.152	ug/L	99
109) 1,2,4,5-Tetramethylben...	12.966	119	162972	8.474	ug/L	98
110) 1,2-Dibromo-3-chloropr...	13.147	155	5867	8.568	ug/L	91
112) Hexachlorobutadiene	13.774	225	31677	12.271	ug/L	99
113) 1,2,4-Trichlorobenzene	13.788	180	64445	10.091	ug/L	99
114) Naphthalene	14.080	128	119318	8.243	ug/L	100
115) 1,2,3-Trichlorobenzene	14.254	180	56031	10.208	ug/L	99

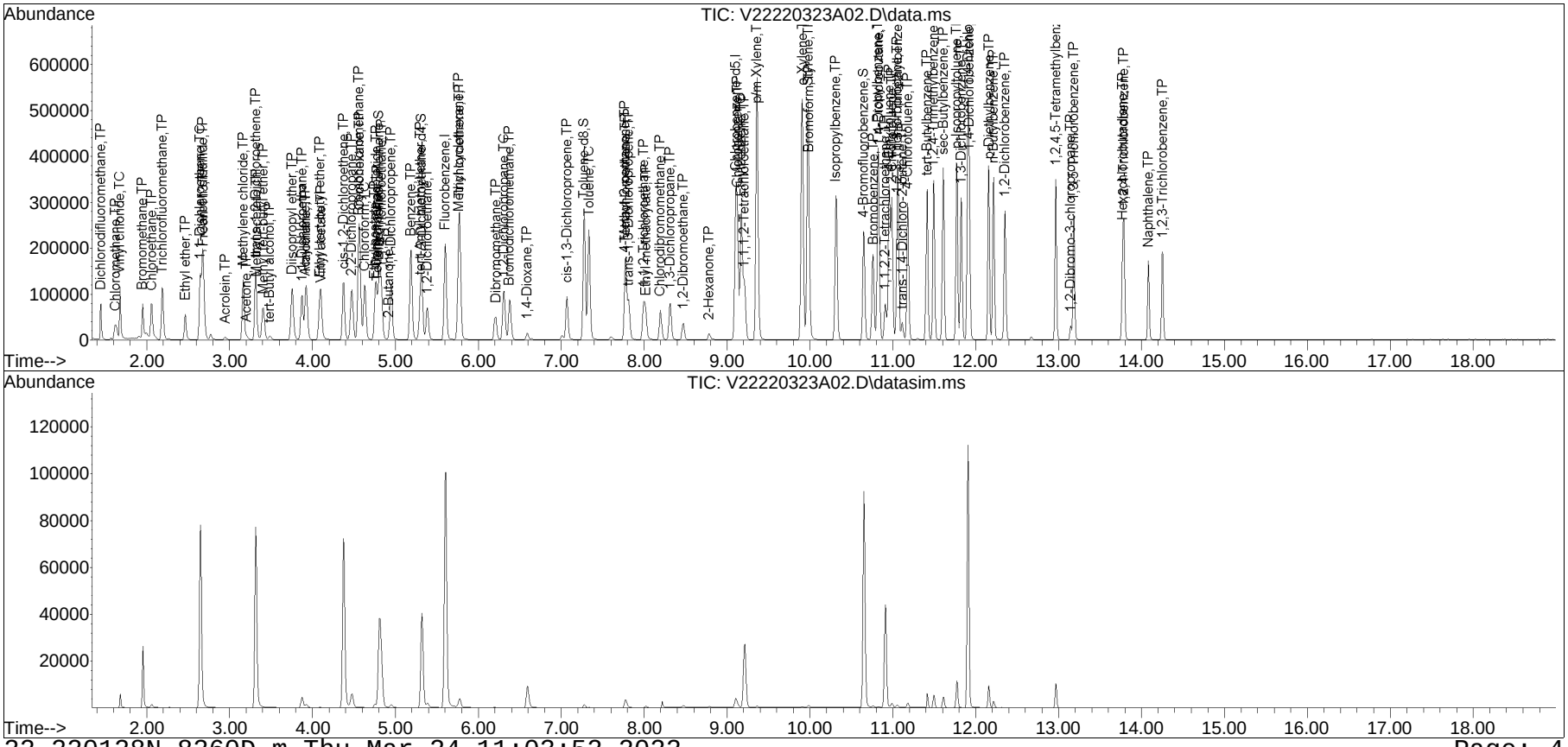
(#) = qualifier out of range (m) = manual integration (+) = signals summed

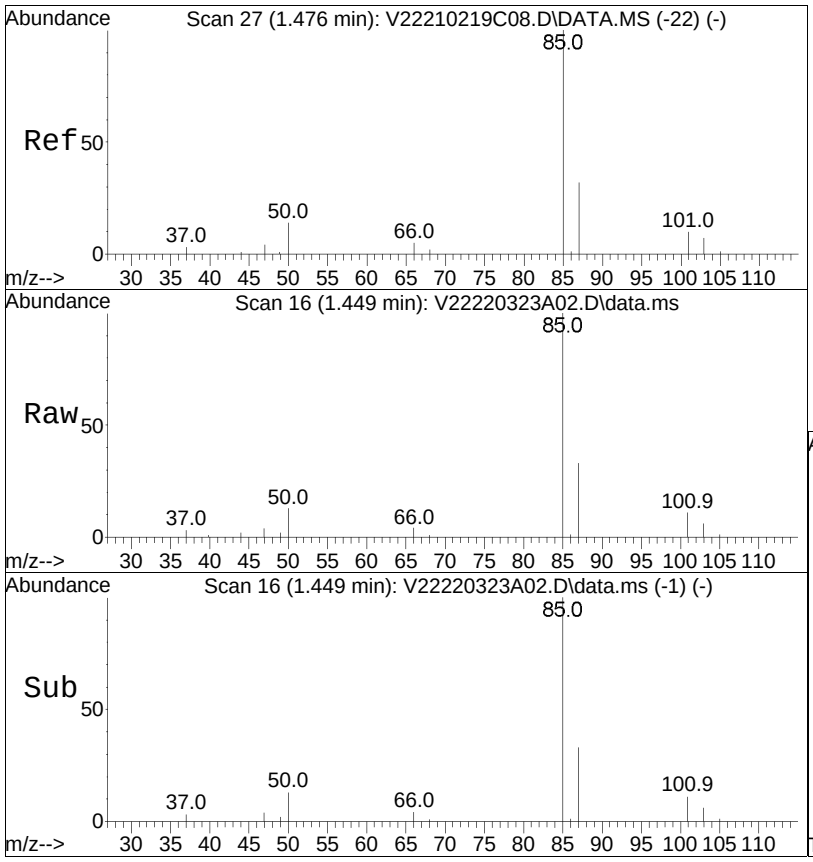
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A02.D
Acq On : 23 Mar 2022 09:48 am
Operator : VOA122:PD
Sample : WG1619277-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619277,ICAL18716 (Sig #1); WG,ICAL18716 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 23 10:08:20 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

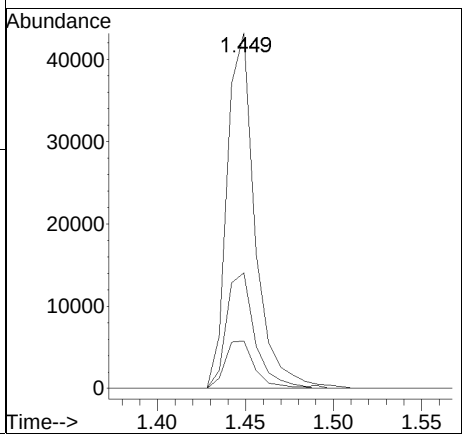


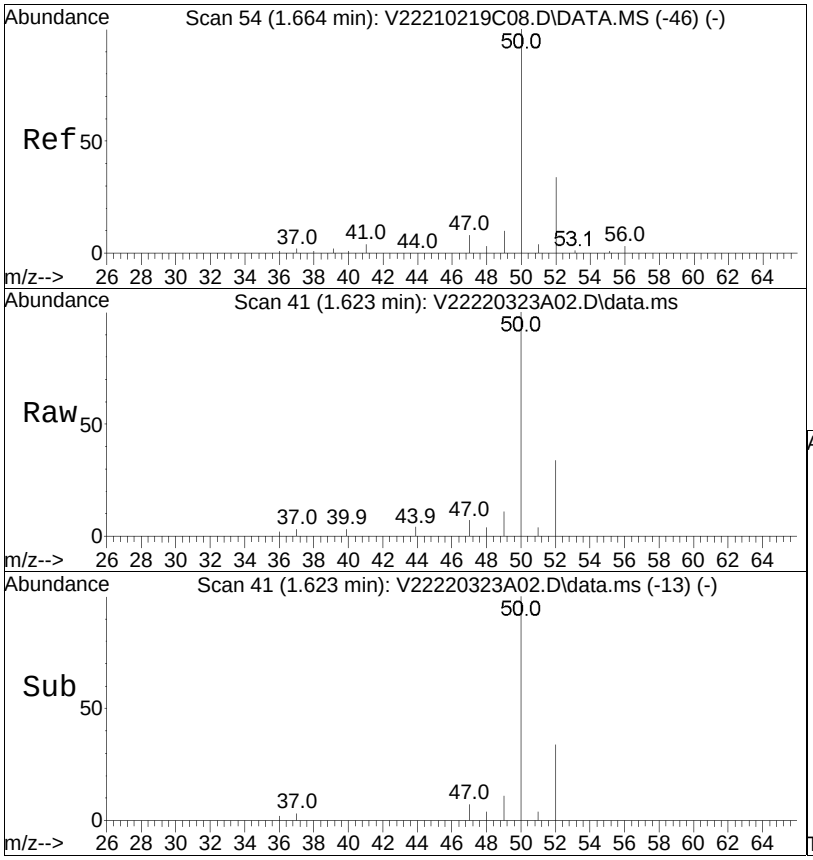


#2
Dichlorodifluoromethane
Concen: 9.03 ug/L
RT: 1.449 min Scan# 16
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 85 Resp: 48061

Ion	Ratio	Lower	Upper
85	100		
87	33.4	20.7	42.9
50	14.1	6.8	14.2

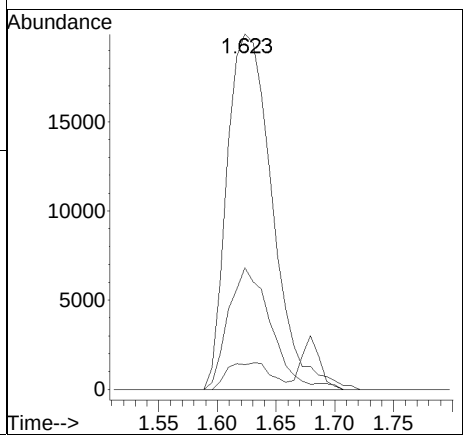


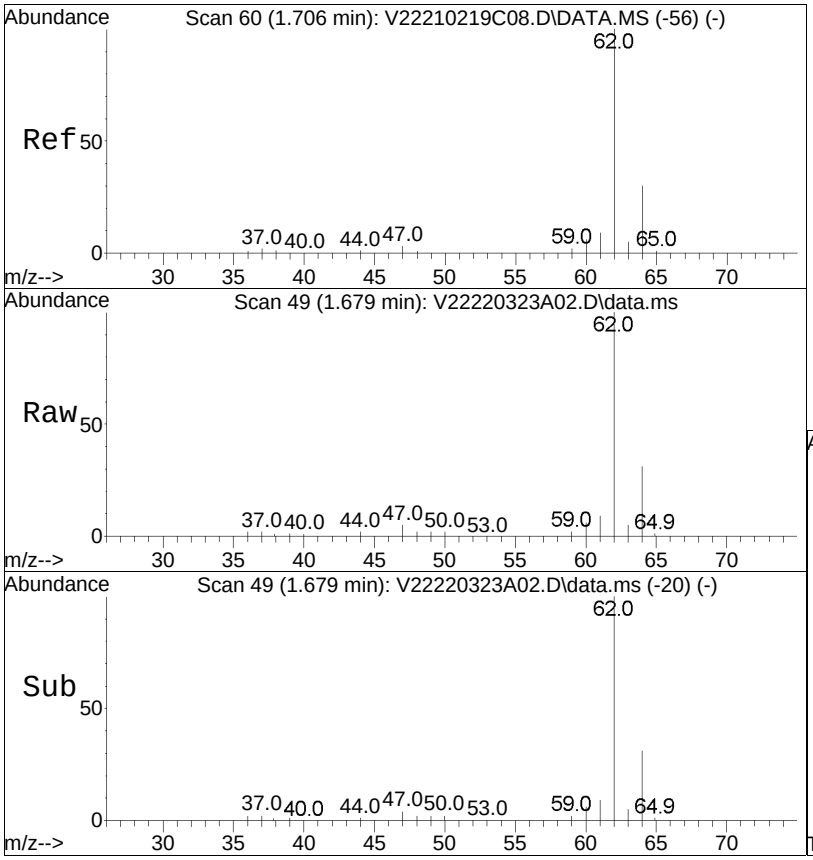


#3
Chloromethane
Concen: 10.64 ug/L
RT: 1.623 min Scan# 41
Delta R.T. -0.007 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 50 Resp: 53382

Ion	Ratio	Lower	Upper
50	100		
52	32.4	12.8	52.8
47	7.3	0.0	30.0

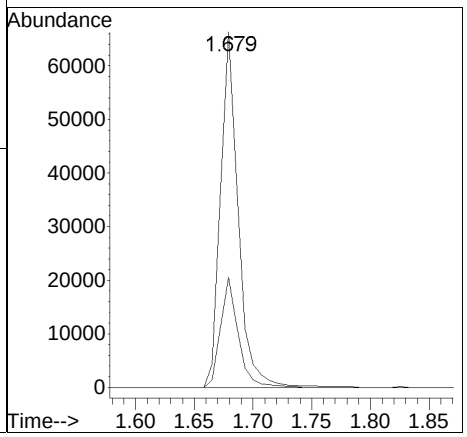


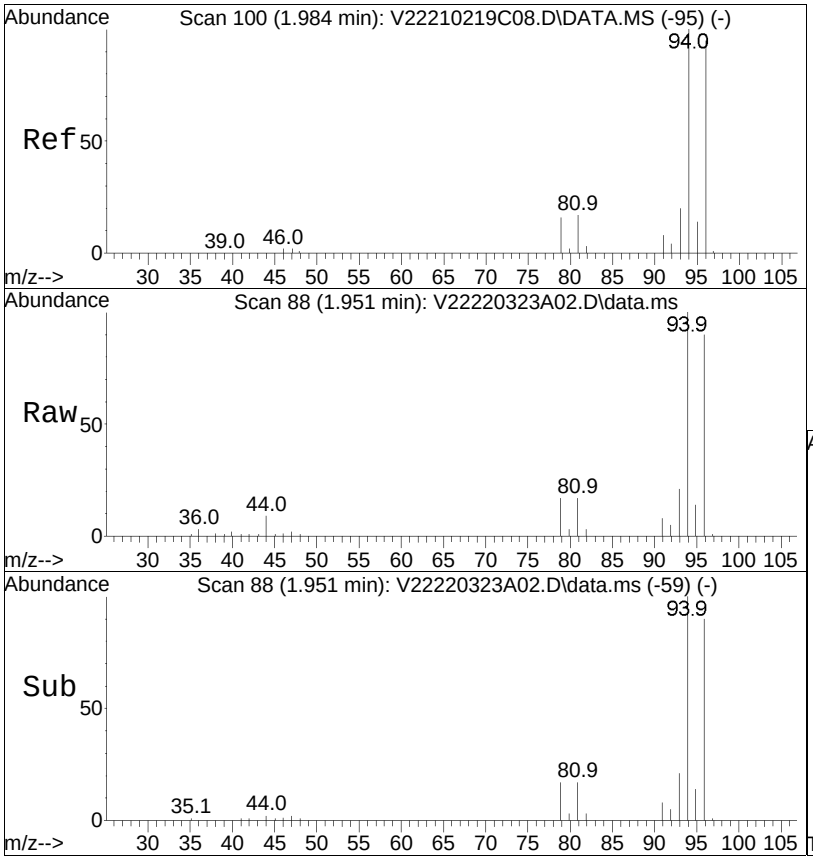


#4
Vinyl chloride
Concen: 13.46 ug/L
RT: 1.679 min Scan# 49
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 62 Resp: 69877

Ion	Ratio	Lower	Upper
62	100		
64	30.9	12.0	52.0

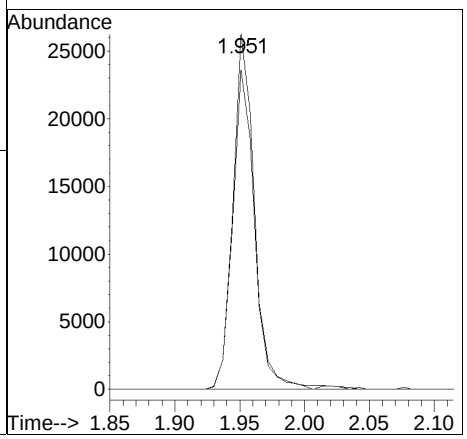


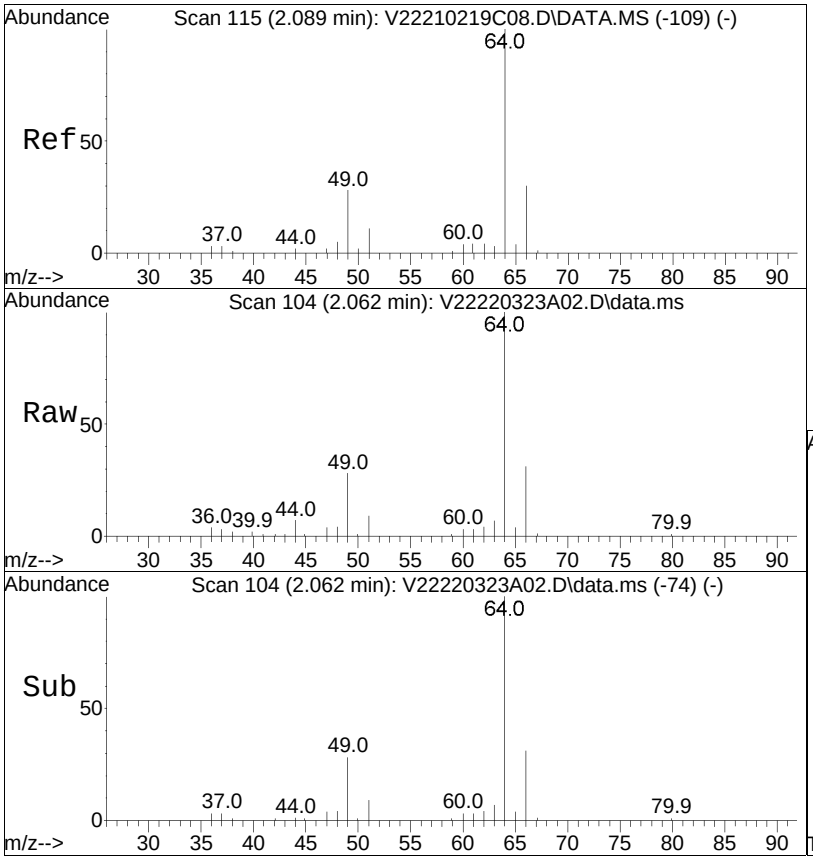


#5
Bromomethane
Concen: 15.11 ug/L
RT: 1.951 min Scan# 88
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 94 Resp: 30651

Ion	Ratio	Lower	Upper
94	100		
96	90.5	72.8	112.8

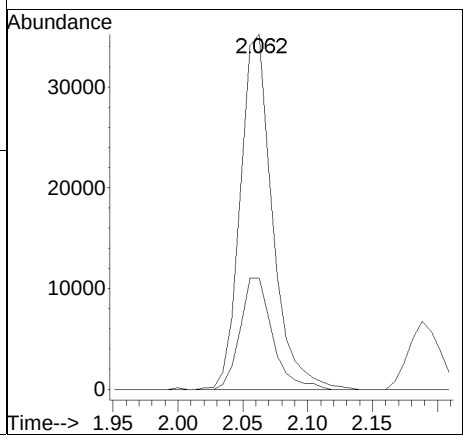


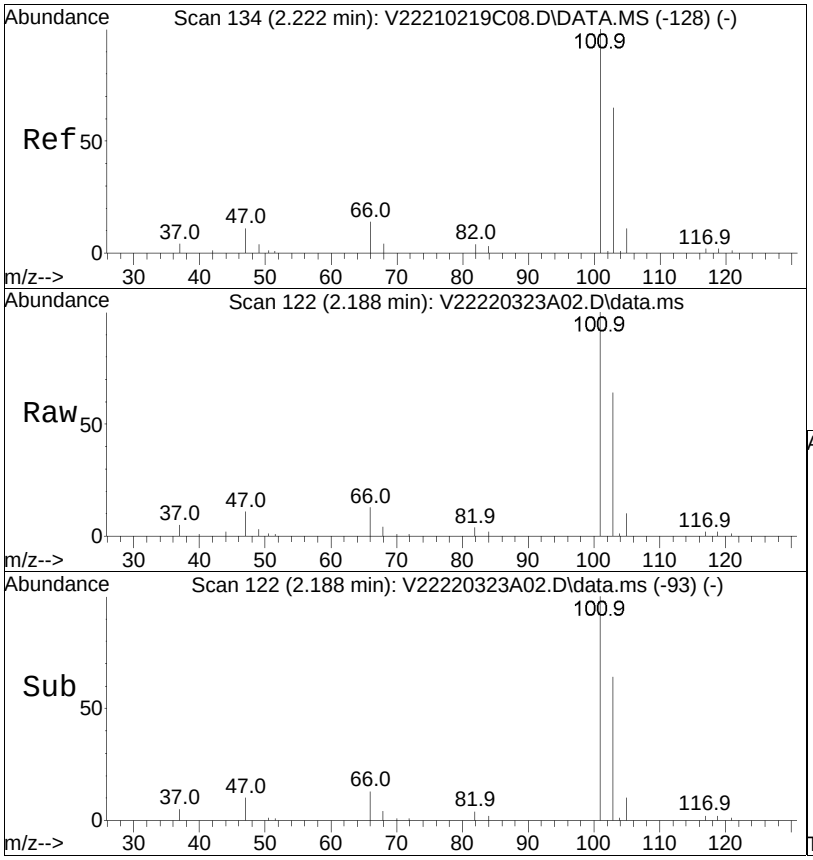


#6
Chloroethane
Concen: 18.42 ug/L
RT: 2.062 min Scan# 104
Delta R.T. 0.006 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 64 Resp: 60692

Ion	Ratio	Lower	Upper
64	100		
66	31.6	12.2	52.2

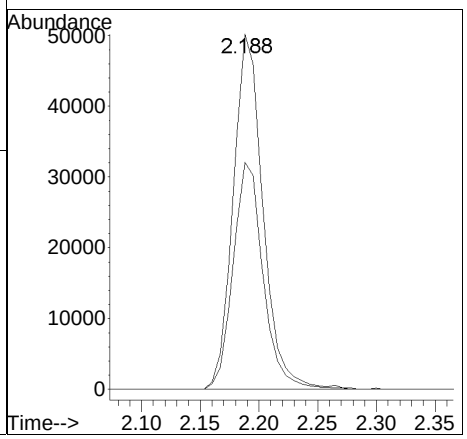


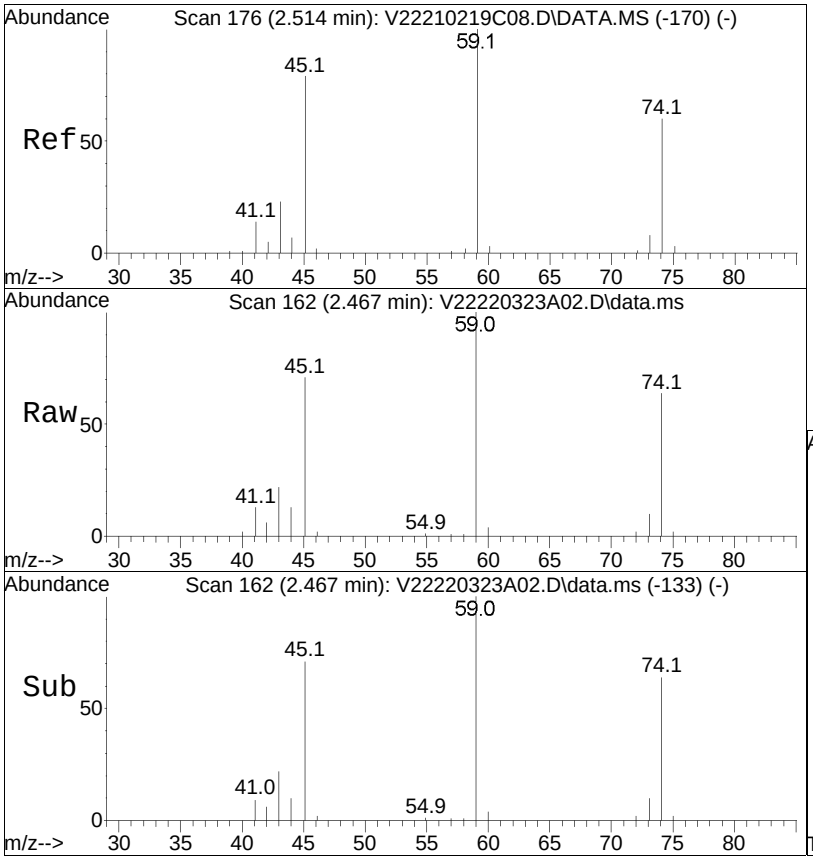


#7
Trichlorofluoromethane
Concen: 11.56 ug/L
RT: 2.188 min Scan# 122
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:101 Resp: 88731

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.6	77.4

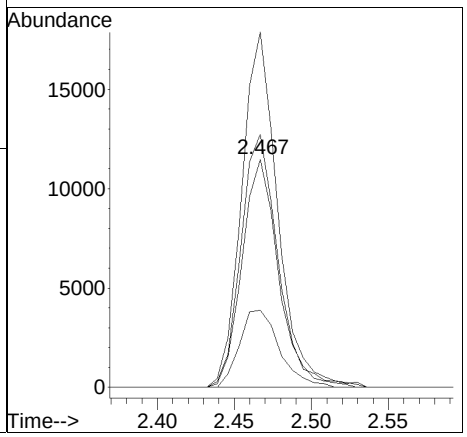


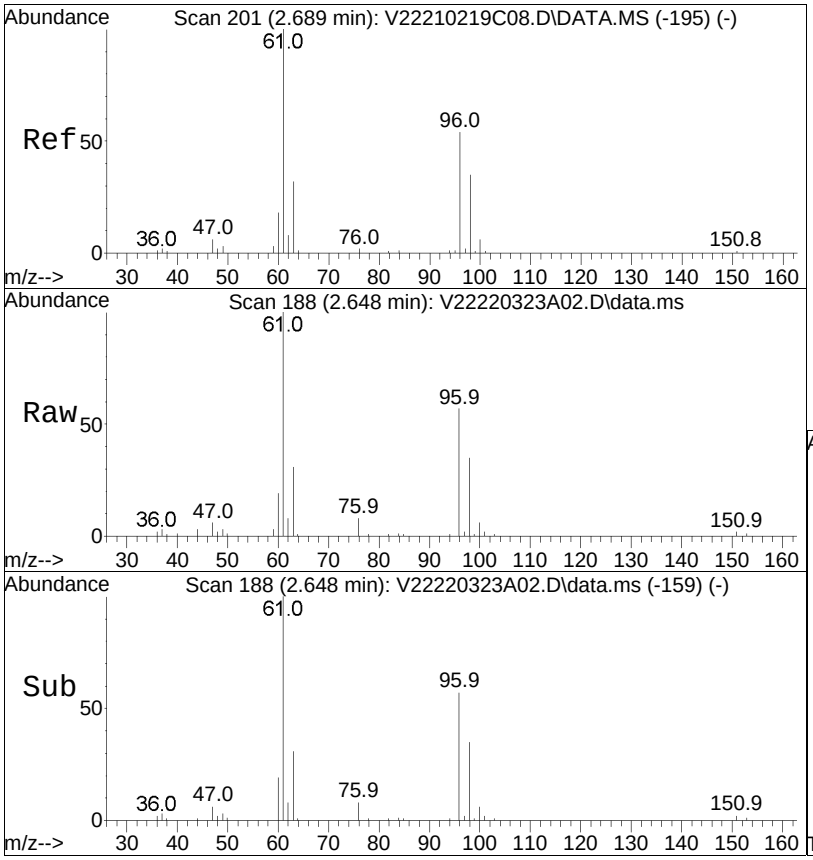


#8
Ethyl ether
Concen: 9.15 ug/L
RT: 2.467 min Scan# 162
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 74 Resp: 18975

Ion	Ratio	Lower	Upper
74	100		
59	153.8	2122.4	4408.0#
45	113.5	1435.1	2980.5#
43	37.2	407.9	847.3#

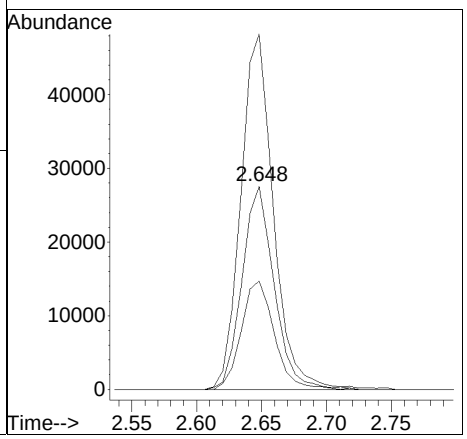


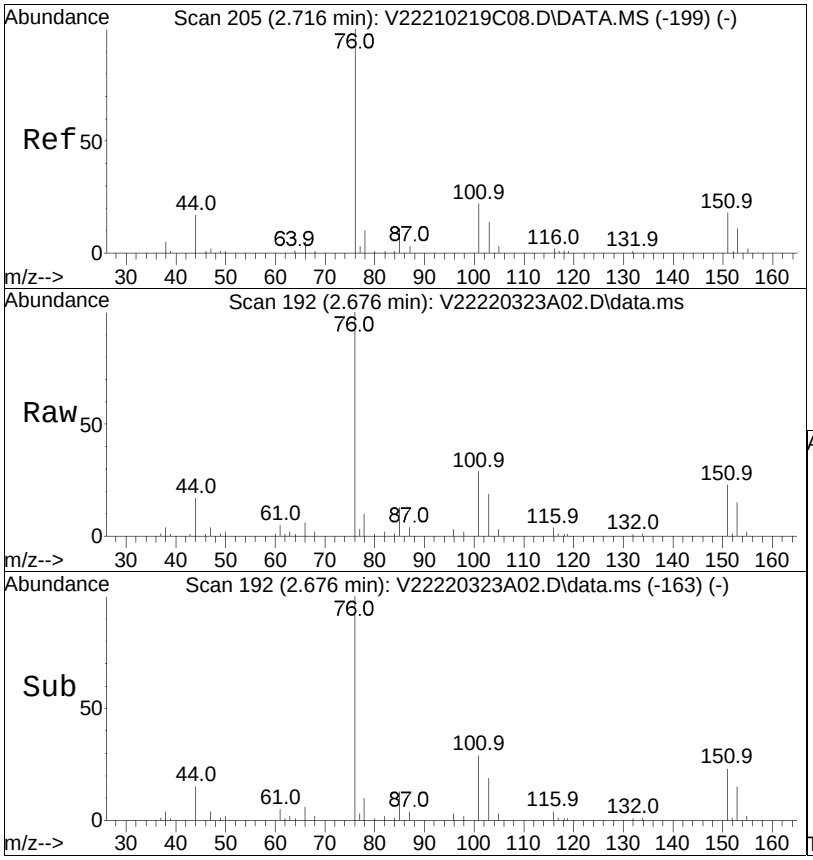


#10
1,1-Dichloroethene
Concen: 11.12 ug/L
RT: 2.648 min Scan# 188
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 96 Resp: 47381

Ion	Ratio	Lower	Upper
96	100		
61	177.8	117.0	175.4#
63	54.9	37.8	56.6

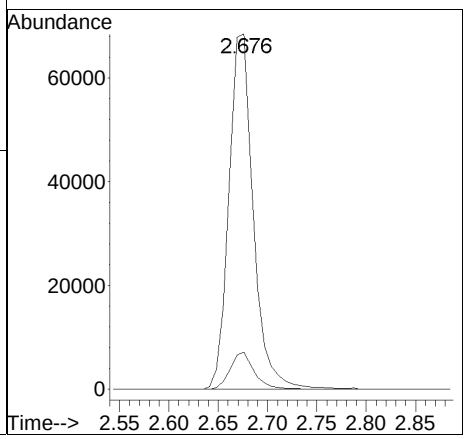


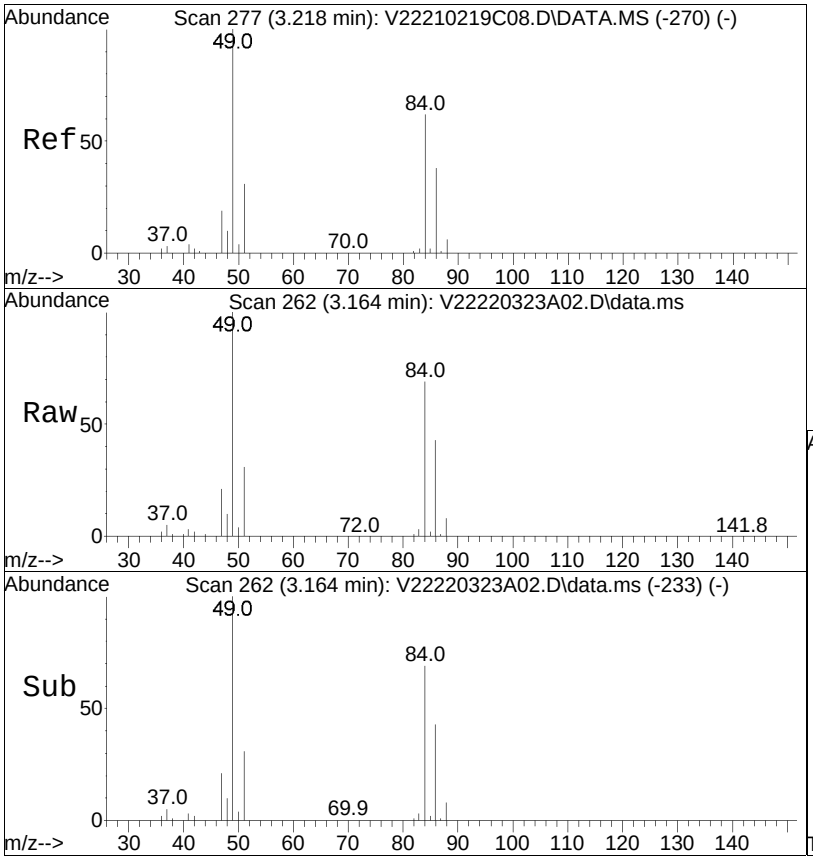


#11
Carbon disulfide
Concen: 10.37 ug/L
RT: 2.676 min Scan# 192
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 76 Resp: 118654

Ion	Ratio	Lower	Upper
76	100		
78	10.4	6.4	13.4

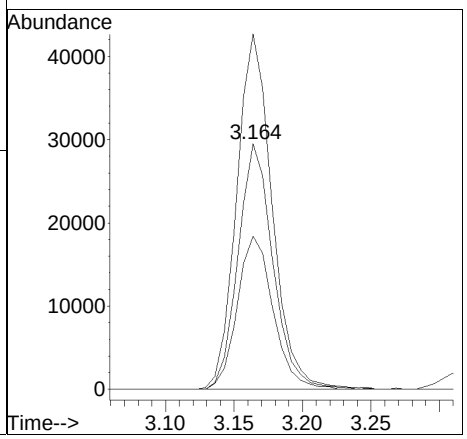


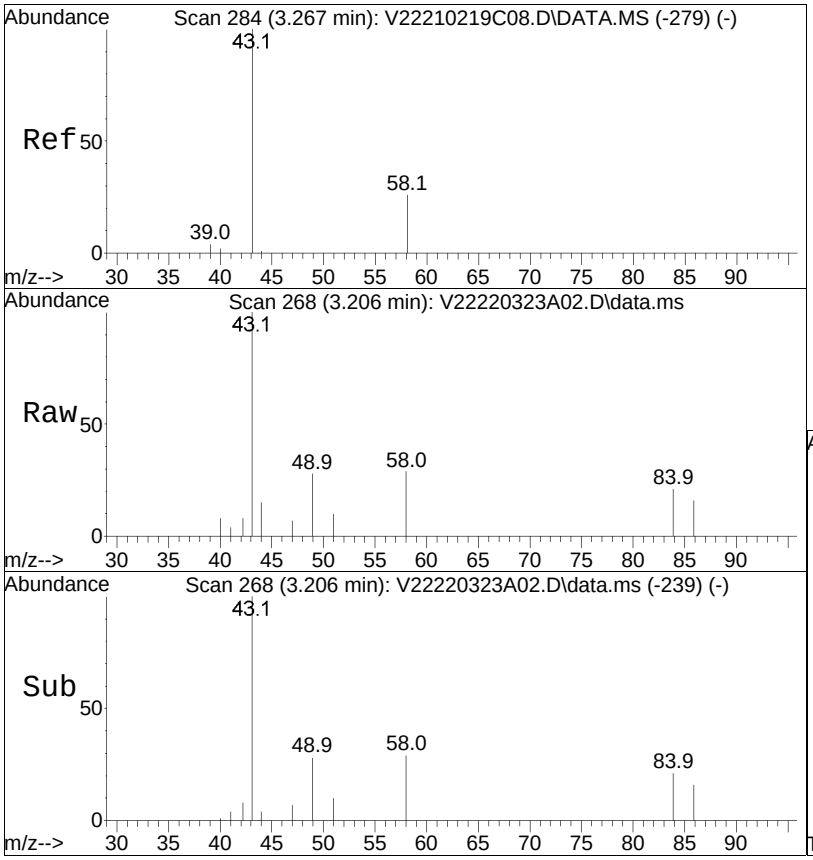


#15
Methylene chloride
Concen: 10.83 ug/L
RT: 3.164 min Scan# 262
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 84 Resp: 52317

Ion	Ratio	Lower	Upper
84	100		
86	64.1	41.5	86.3
49	147.4	68.8	143.0#

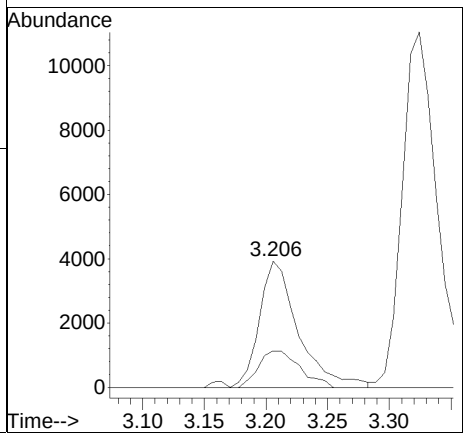


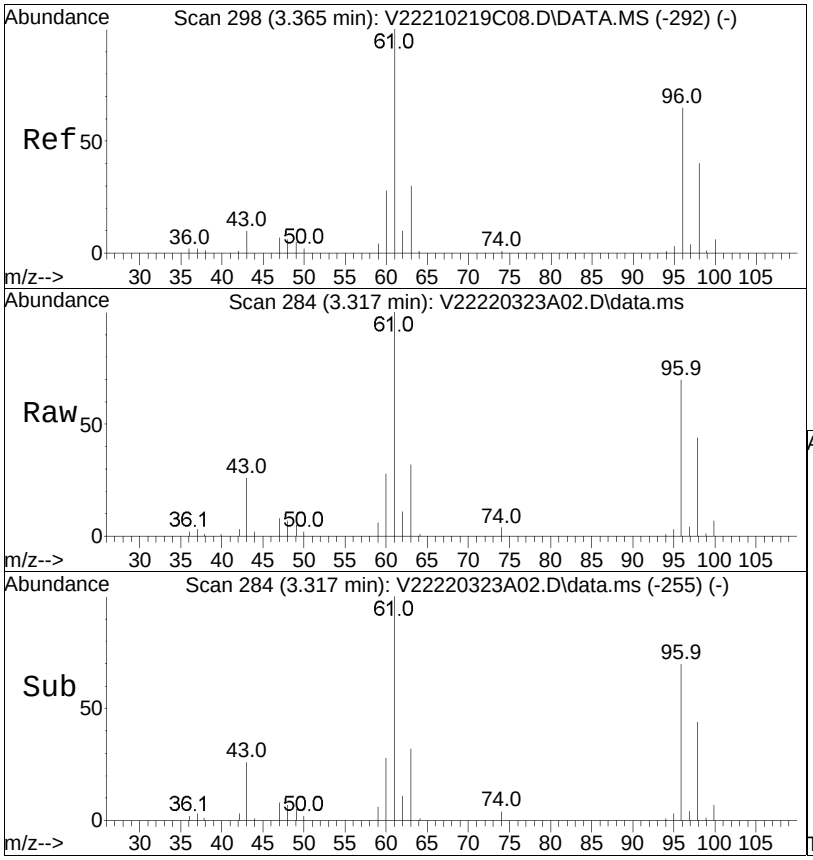


#17
Acetone
Concen: 10.11 ug/L
RT: 3.206 min Scan# 268
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 43 Resp: 8785

Ion	Ratio	Lower	Upper
43	100		
58	30.3	23.1	34.7

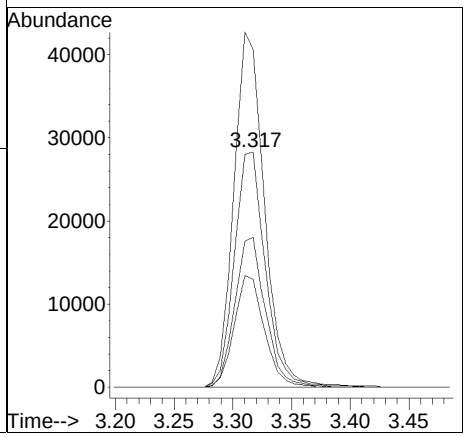


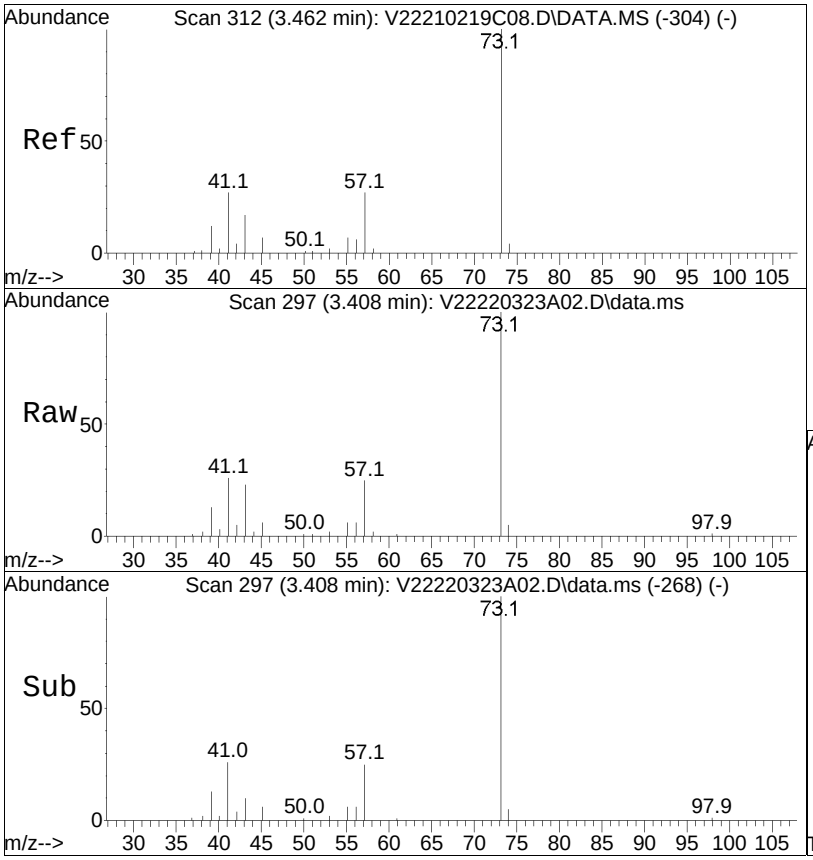


#18
trans-1,2-Dichloroethene
Concen: 11.36 ug/L
RT: 3.317 min Scan# 284
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 96 Resp: 52266

Ion	Ratio	Lower	Upper
96	100		
61	148.9	81.6	169.6
98	62.7	41.8	86.8
63	46.4	26.3	54.7

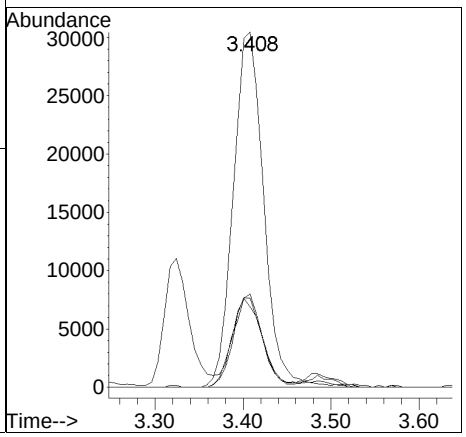


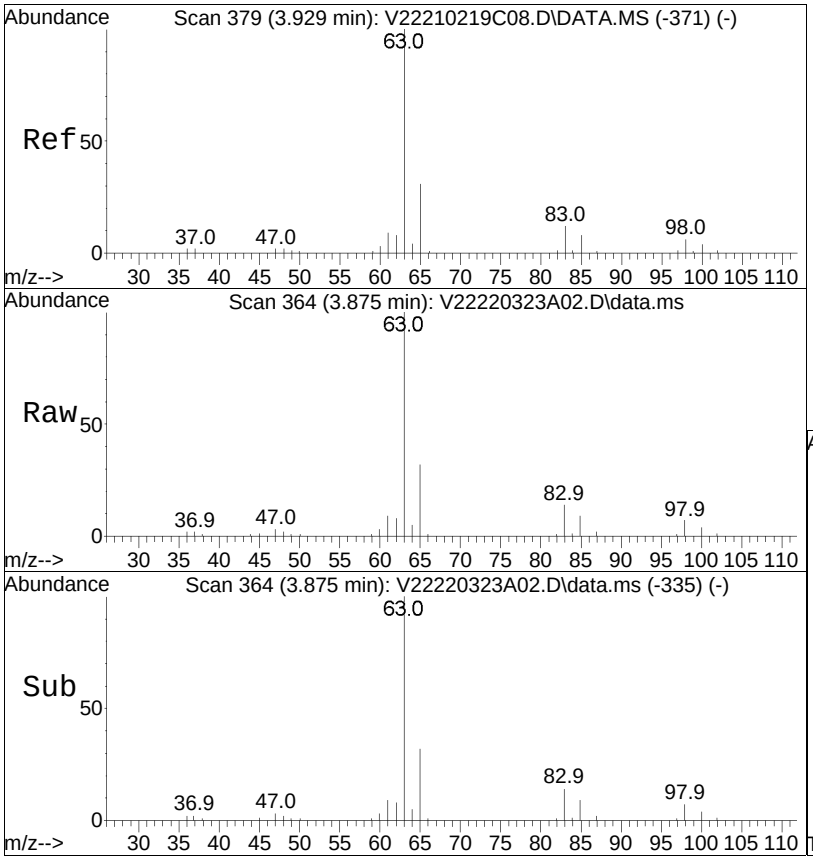


#21
Methyl tert-butyl ether
Concen: 8.75 ug/L
RT: 3.408 min Scan# 297
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 73 Resp: 73274

Ion	Ratio	Lower	Upper
73	100		
57	24.5	13.6	28.2
43	24.3	12.7	26.5
41	26.2	11.4	23.8#

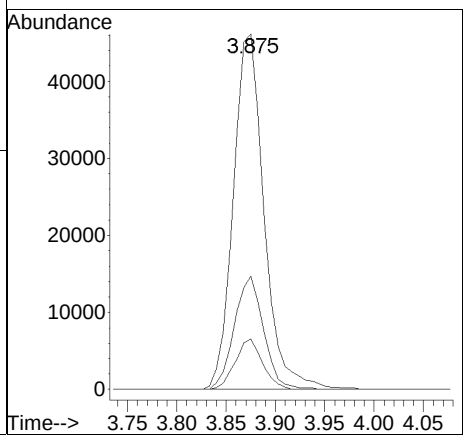


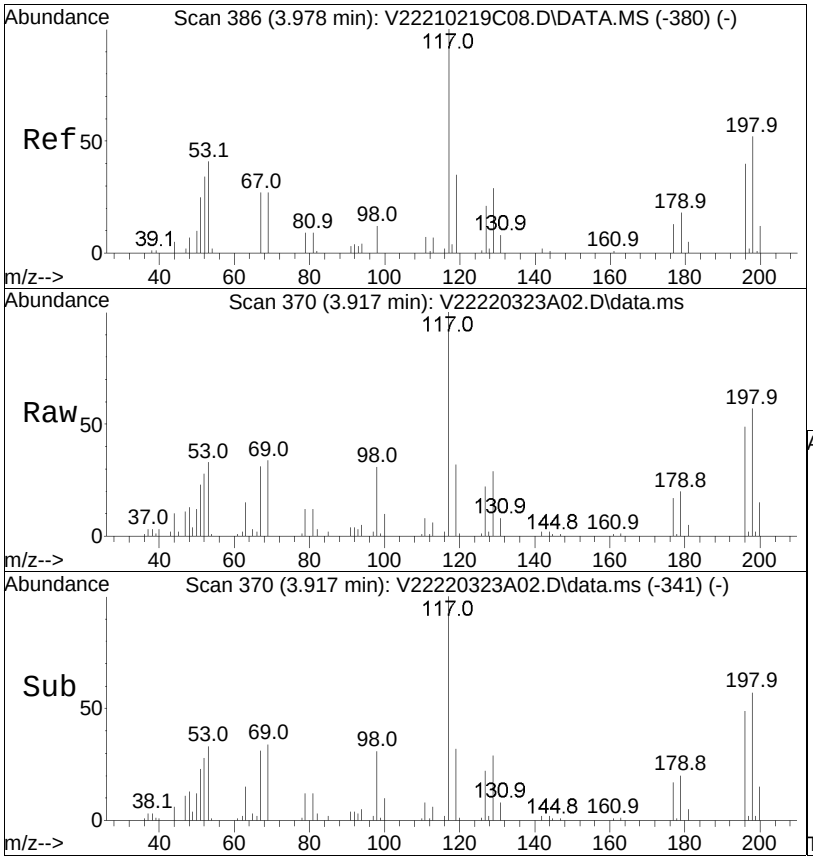


#25
1,1-Dichloroethane
Concen: 11.73 ug/L
RT: 3.875 min Scan# 364
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 63 Resp: 100228

Ion	Ratio	Lower	Upper
63	100		
65	30.2	11.9	51.9
83	12.6	0.0	34.2

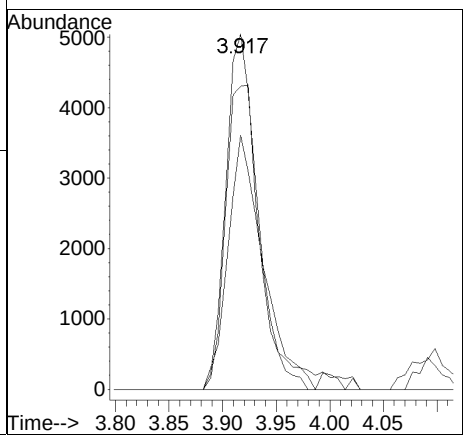


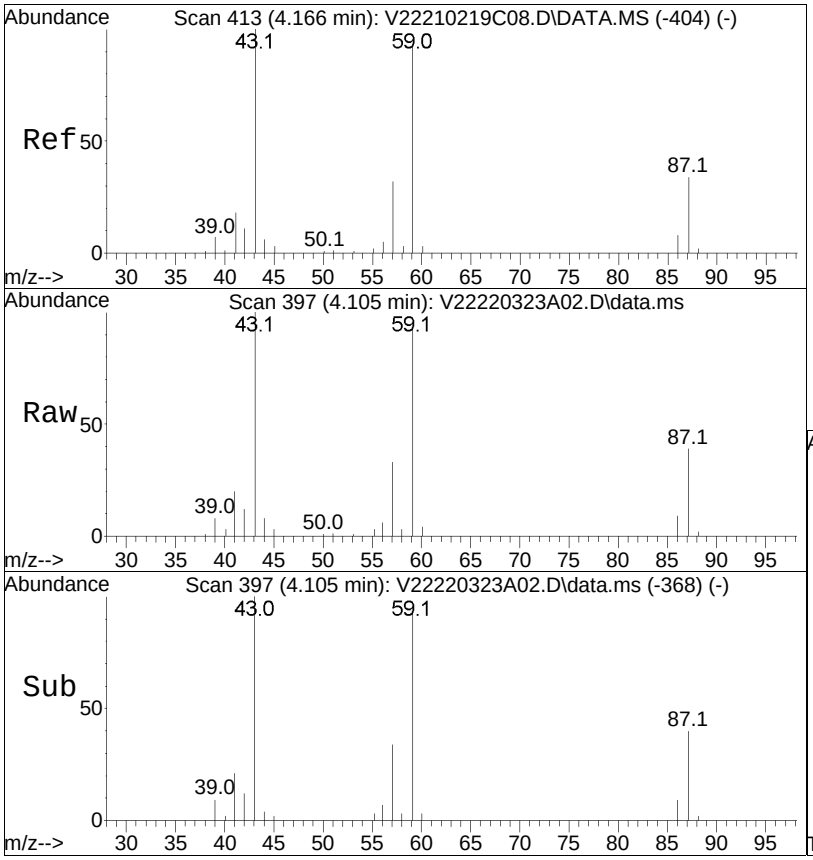


#27
Acrylonitrile
Concen: 10.74 ug/L
RT: 3.917 min Scan# 370
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 53 Resp: 11484

Ion	Ratio	Lower	Upper
53	100		
52	84.7	63.8	95.8
51	67.1	50.2	75.4

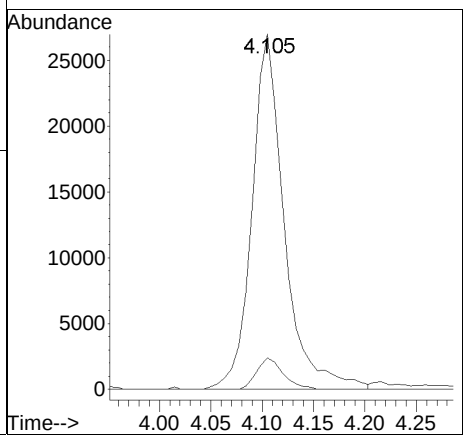


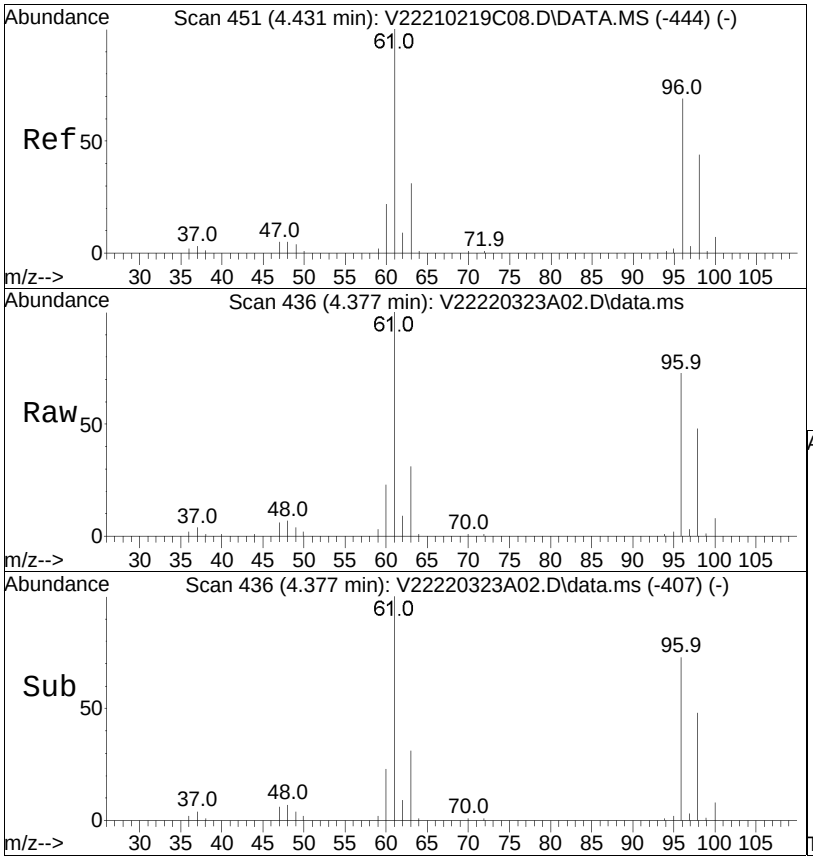


#29
Vinyl acetate
Concen: 9.84 ug/L
RT: 4.105 min Scan# 397
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 43 Resp: 59163

Ion	Ratio	Lower	Upper
43	100		
86	7.3	8.9	13.3#

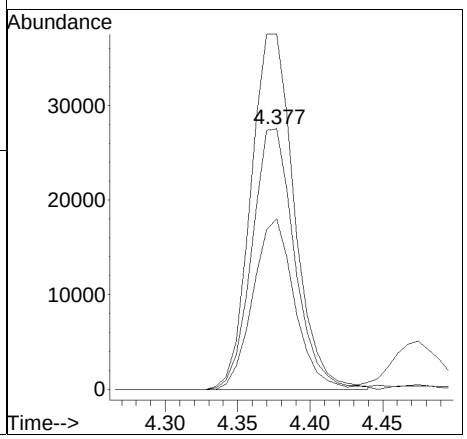


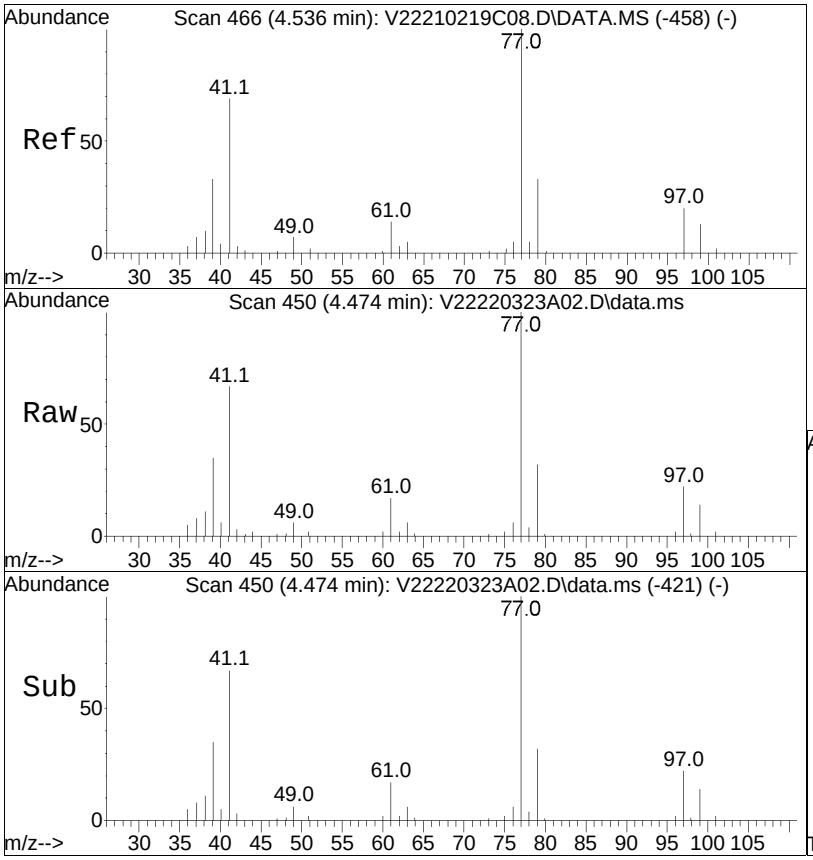


#30
cis-1,2-Dichloroethene
Concen: 10.83 ug/L
RT: 4.377 min Scan# 436
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 96 Resp: 56189

Ion	Ratio	Lower	Upper
96	100		
61	138.9	90.3	135.5#
98	64.4	50.8	76.2

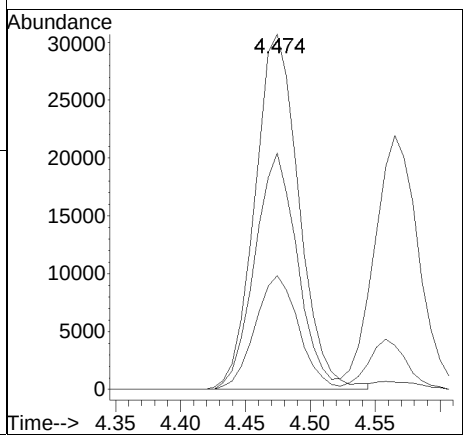


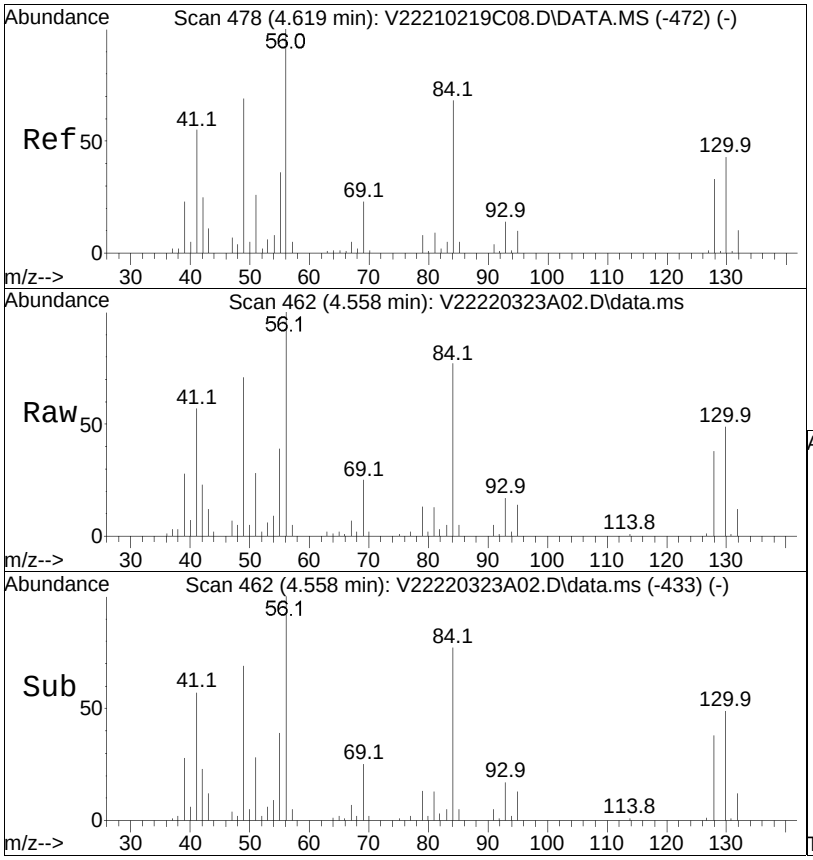


#31
2,2-Dichloropropane
Concen: 11.32 ug/L
RT: 4.474 min Scan# 450
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 77 Resp: 72591

Ion	Ratio	Lower	Upper
77	100		
41	64.1	32.3	67.1
79	31.7	21.1	43.7

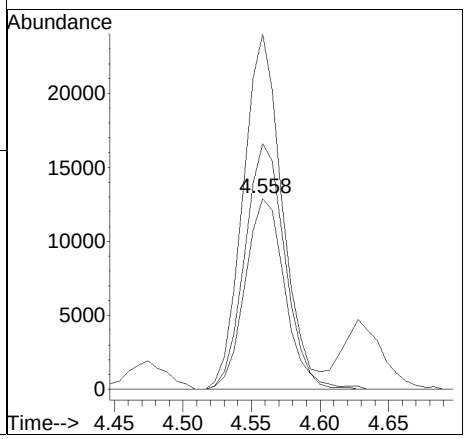


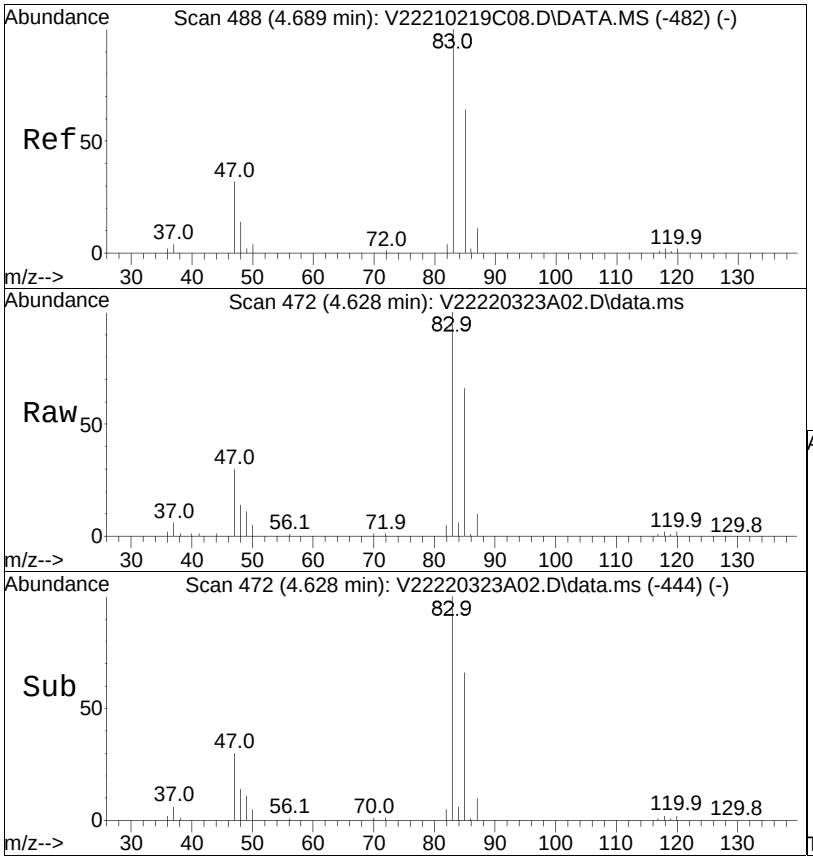


#32
Bromochloromethane
Concen: 10.89 ug/L
RT: 4.558 min Scan# 462
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:128 Resp: 25947

Ion	Ratio	Lower	Upper
128	100		
49	184.0	104.4	156.6#
130	131.3	103.9	155.9

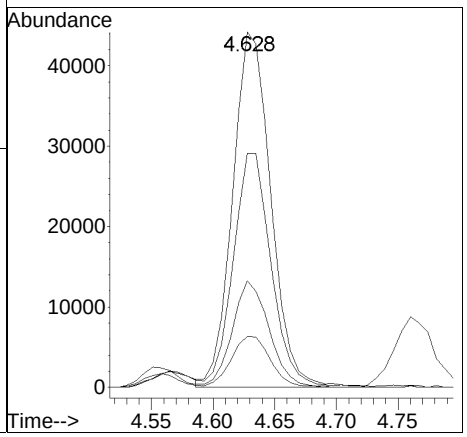


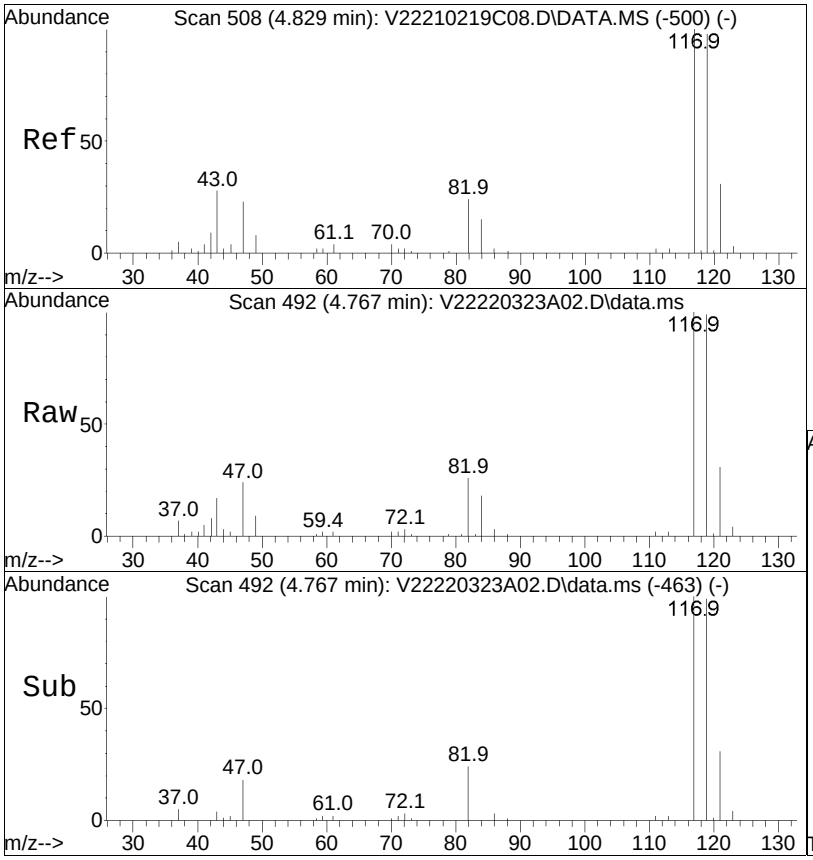


#34
Chloroform
Concen: 10.67 ug/L
RT: 4.628 min Scan# 472
Delta R.T. -0.007 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 83 Resp: 95584

Ion	Ratio	Lower	Upper
83	100		
85	65.4	42.4	88.2
47	29.0	14.0	29.0
48	14.7	6.9	14.3#

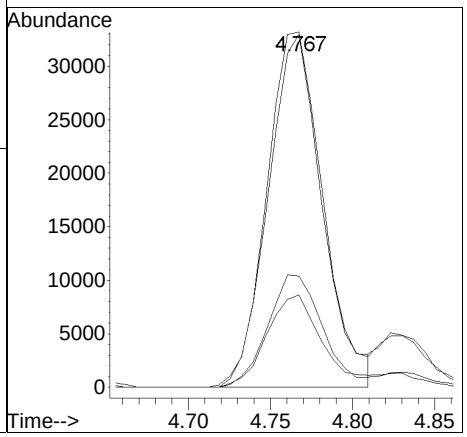


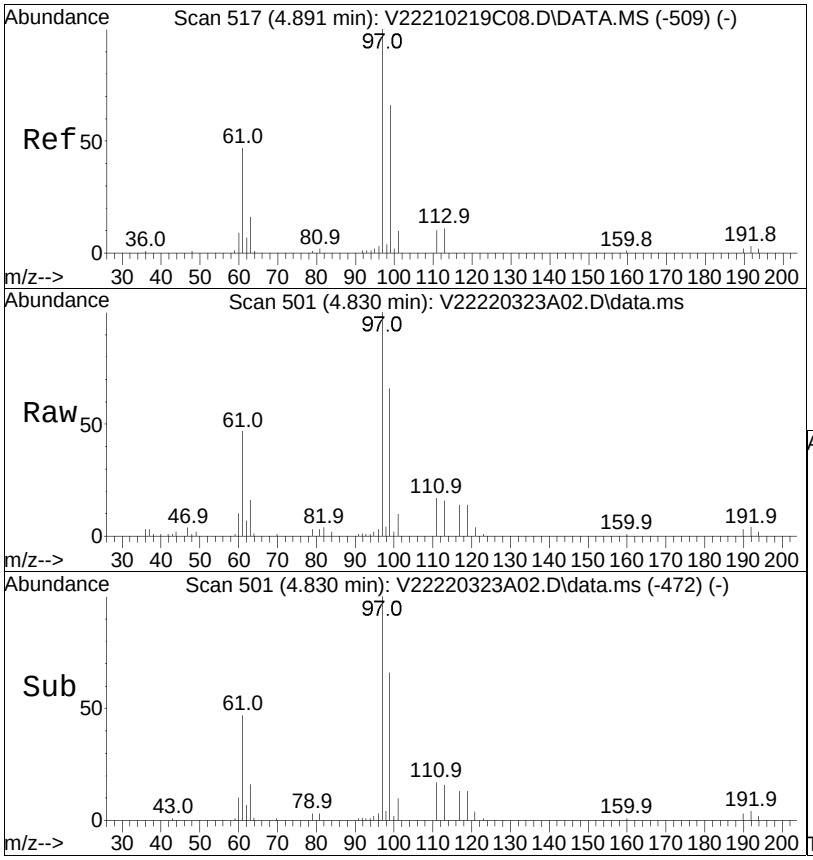


#36
Carbon tetrachloride
Concen: 11.93 ug/L
RT: 4.767 min Scan# 492
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:117 Resp: 78886

Ion	Ratio	Lower	Upper
117	100		
119	95.2	62.1	129.1
121	31.1	20.3	42.3
82	25.8	15.4	32.0

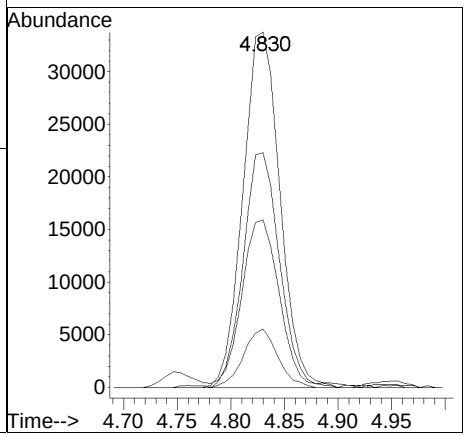


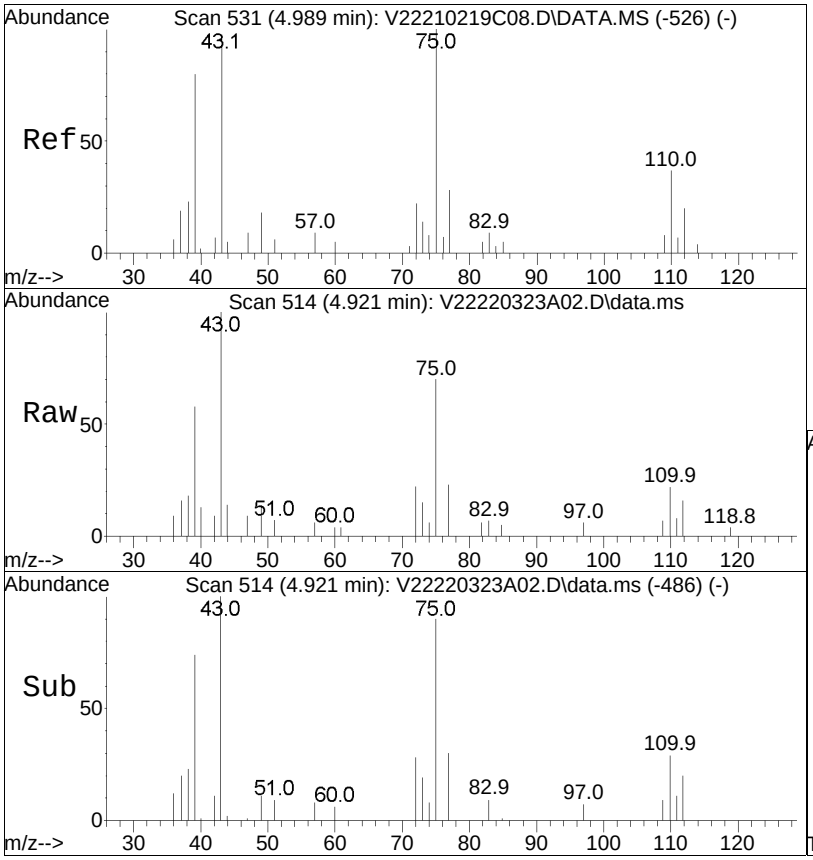


#39
1,1,1-Trichloroethane
Concen: 10.86 ug/L
RT: 4.830 min Scan# 501
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 97 Resp: 81686

Ion	Ratio	Lower	Upper
97	100		
99	64.6	42.4	88.0
61	47.5	26.0	54.0
63	15.1	8.3	17.3

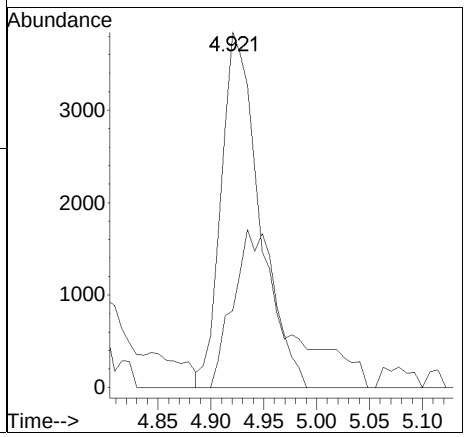


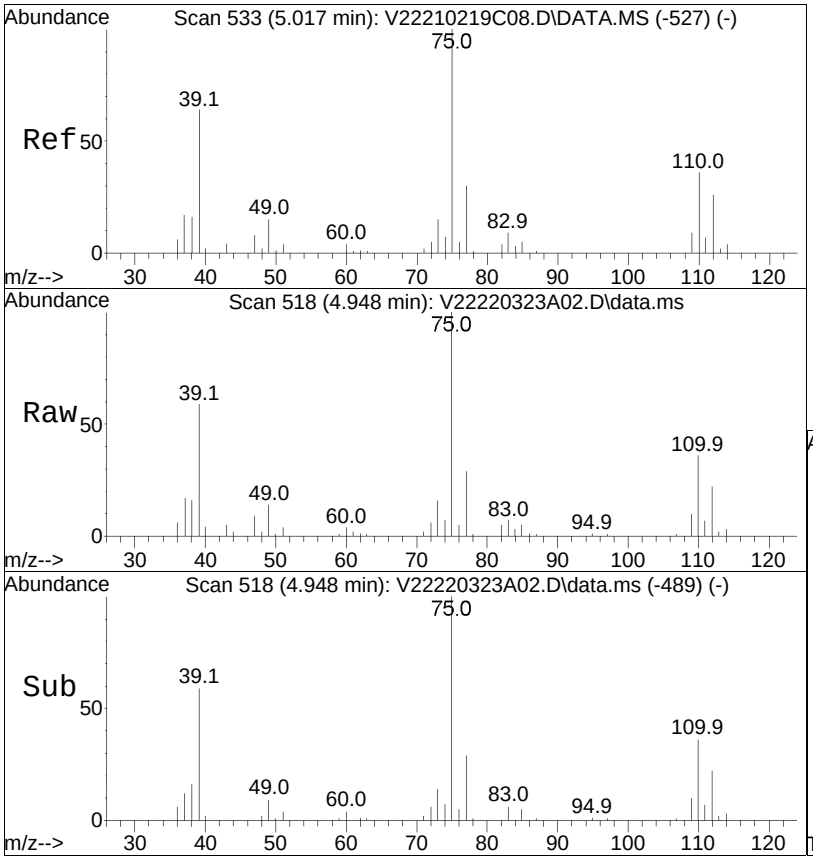


#41
2-Butanone
Concen: 10.32 ug/L
RT: 4.921 min Scan# 514
Delta R.T. -0.007 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 43 Resp: 11878

Ion	Ratio	Lower	Upper
43	100		
72	40.1	45.8	68.8#

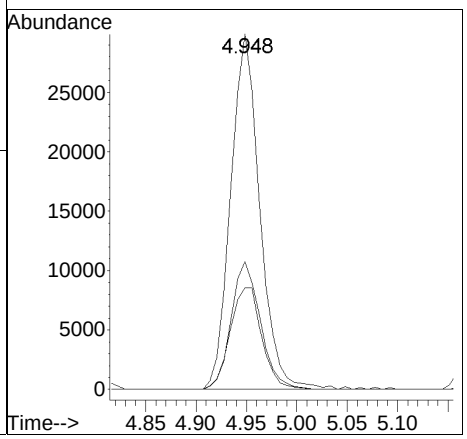


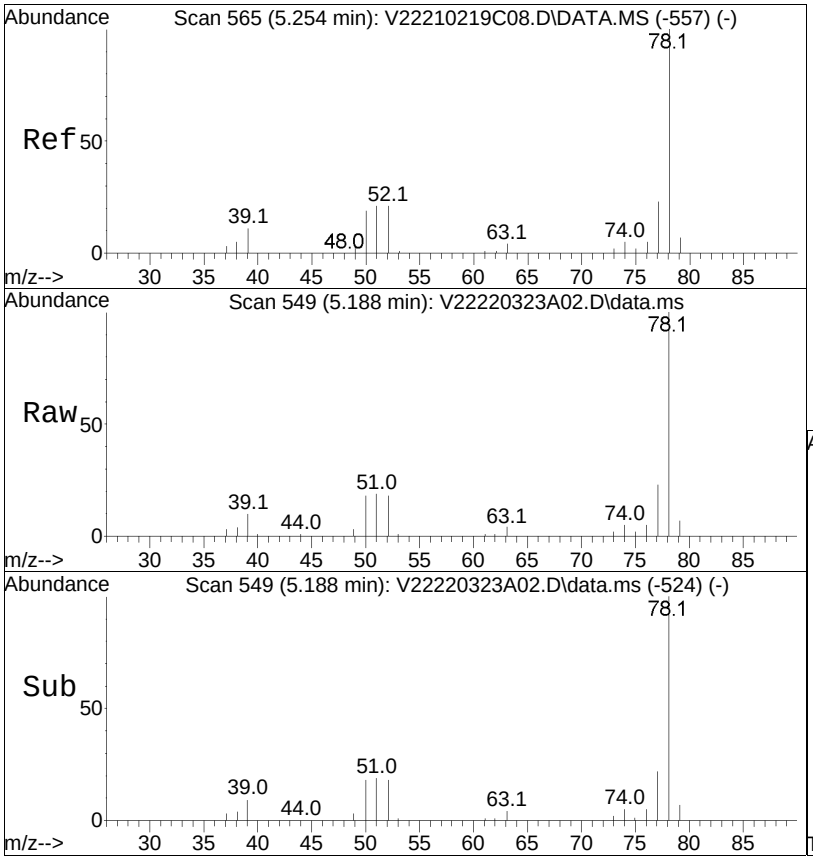


#42
1,1-Dichloropropene
Concen: 11.16 ug/L
RT: 4.948 min Scan# 518
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 75 Resp: 66557

Ion	Ratio	Lower	Upper
75	100		
110	36.8	25.4	52.8
77	31.7	20.3	42.1

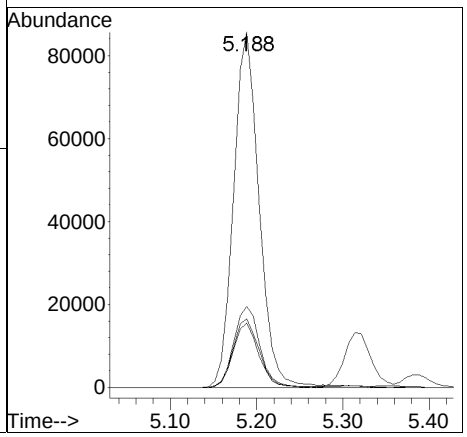


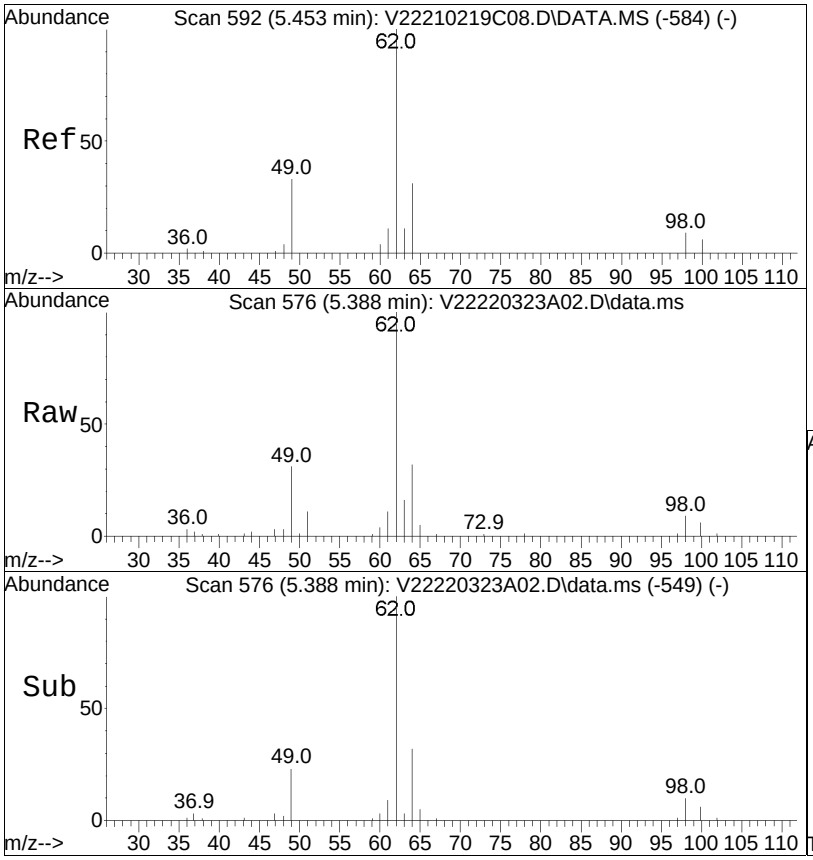


#44
Benzene
Concen: 11.29 ug/L
RT: 5.188 min Scan# 549
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 78 Resp: 176675

Ion	Ratio	Lower	Upper
78	100		
77	23.2	15.4	32.0
51	19.7	9.8	20.4
52	18.1	9.2	19.2

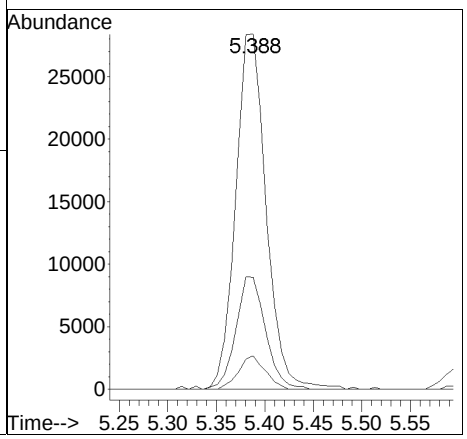


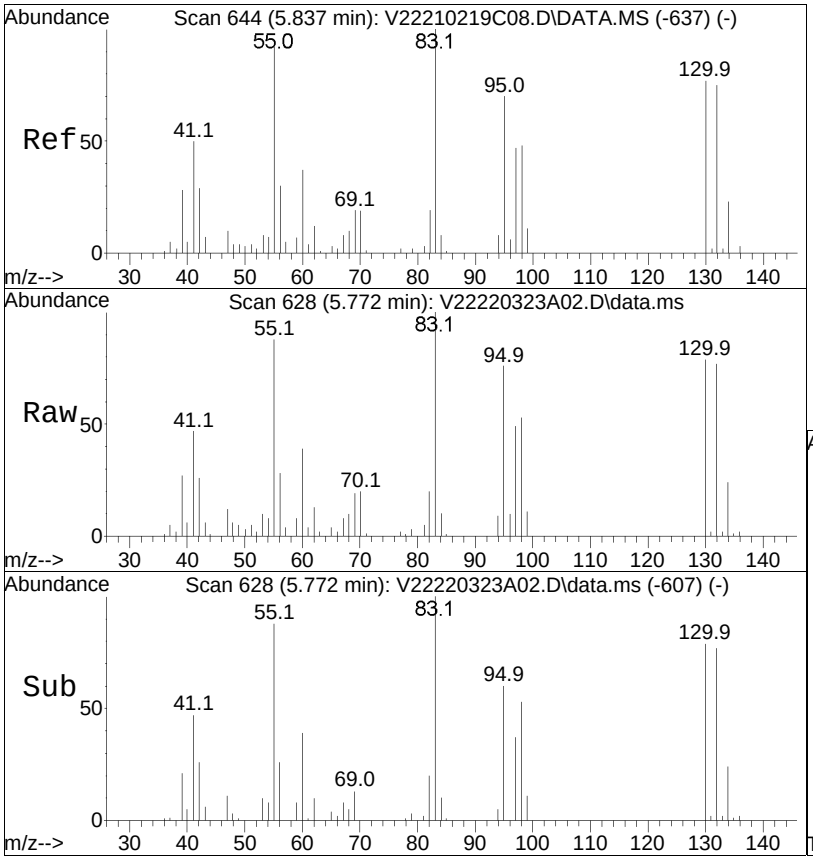


#47
1,2-Dichloroethane
Concen: 11.13 ug/L
RT: 5.388 min Scan# 576
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 62 Resp: 62347

Ion	Ratio	Lower	Upper
62	100		
64	31.0	12.3	52.3
98	8.3	0.0	30.3

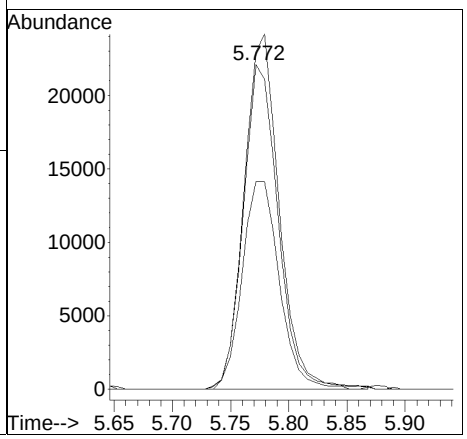


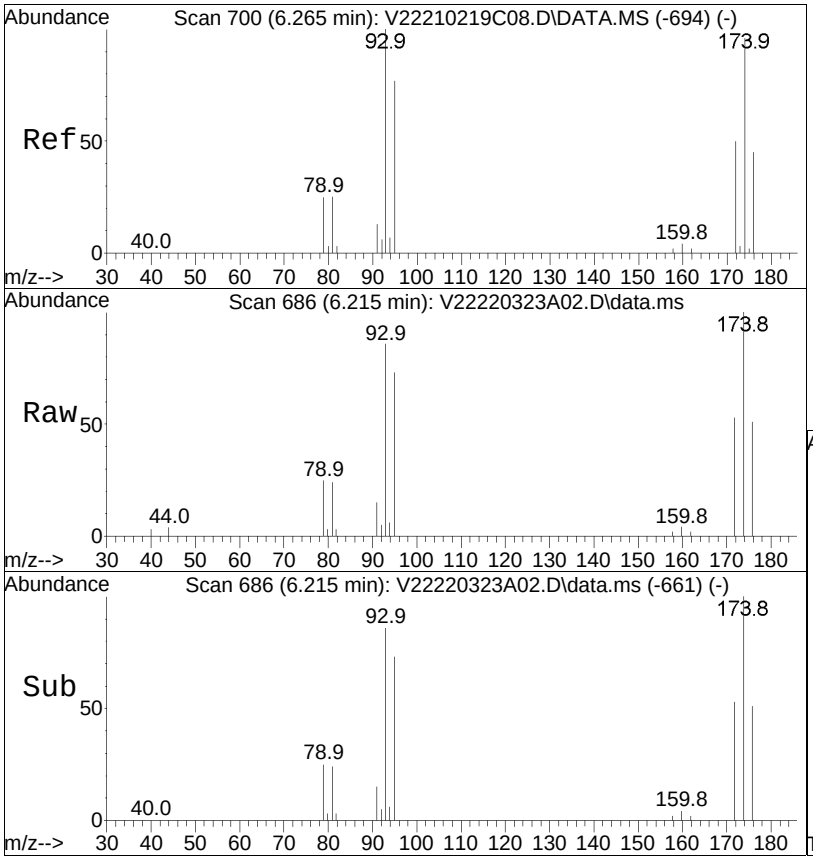


#51
Trichloroethene
Concen: 10.64 ug/L
RT: 5.772 min Scan# 628
Delta R.T. -0.007 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 95 Resp: 46398

Ion	Ratio	Lower	Upper
95	100		
97	68.2	55.0	82.4
130	109.8	89.2	133.8

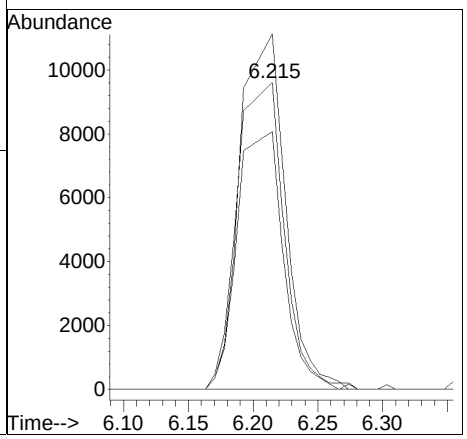


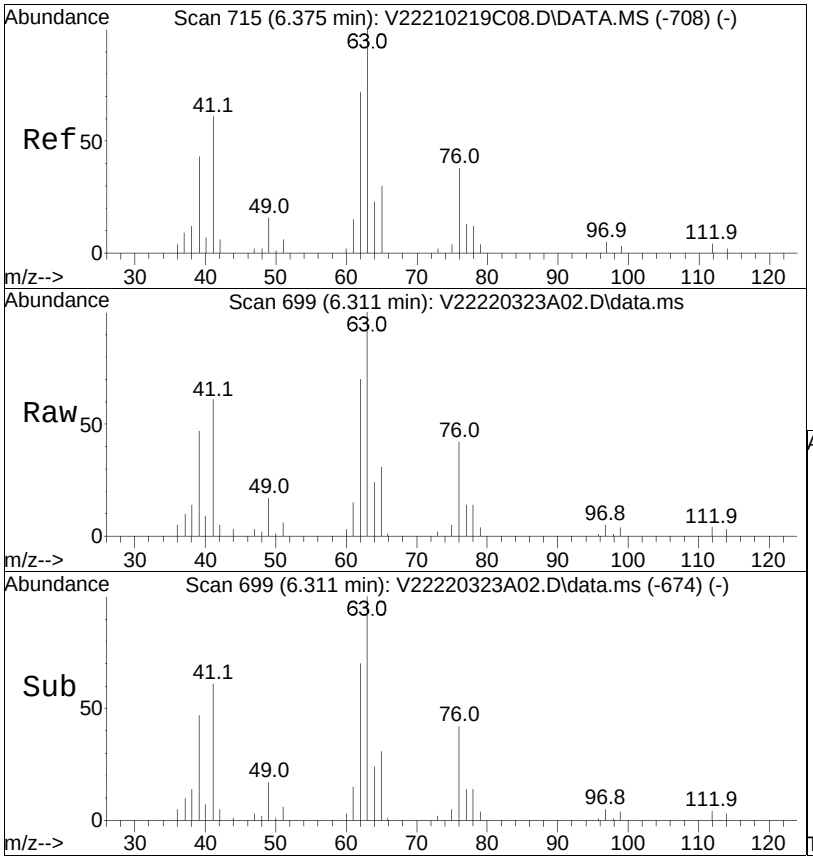


#53
Dibromomethane
Concen: 10.92 ug/L
RT: 6.215 min Scan# 686
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 93 Resp: 18287

Ion	Ratio	Lower	Upper
93	100		
95	81.5	68.0	102.0
174	112.8	106.1	159.1

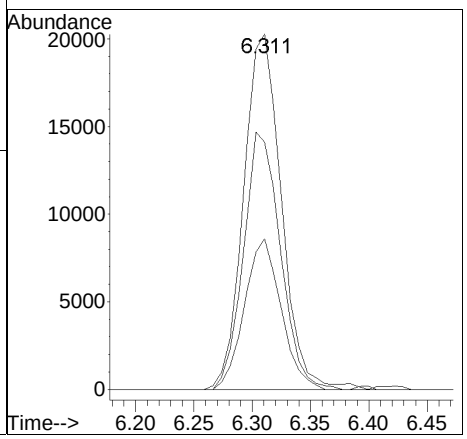


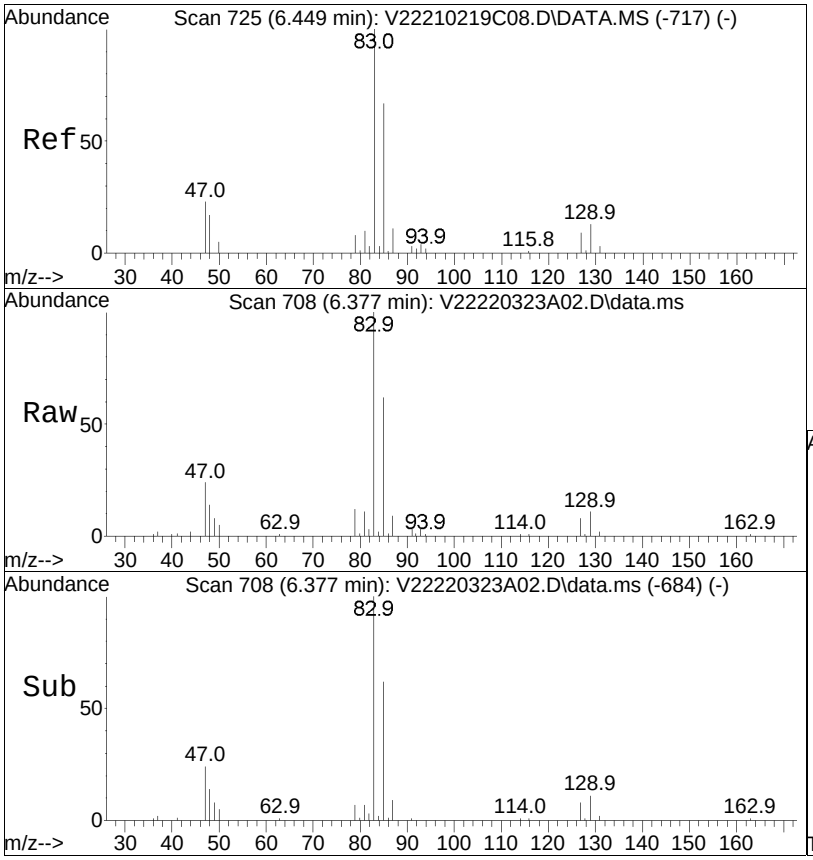


#54
1,2-Dichloropropane
Concen: 11.53 ug/L
RT: 6.311 min Scan# 699
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 63 Resp: 45607

Ion	Ratio	Lower	Upper
63	100		
62	70.7	56.9	85.3
76	41.0	35.8	53.8

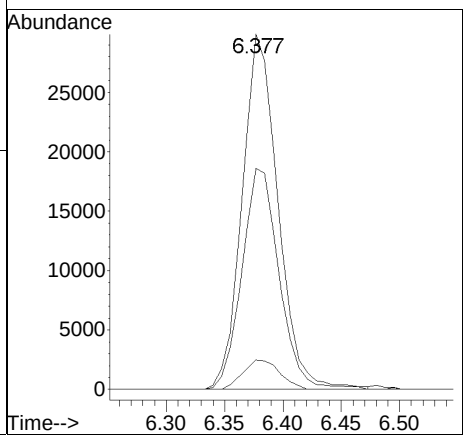


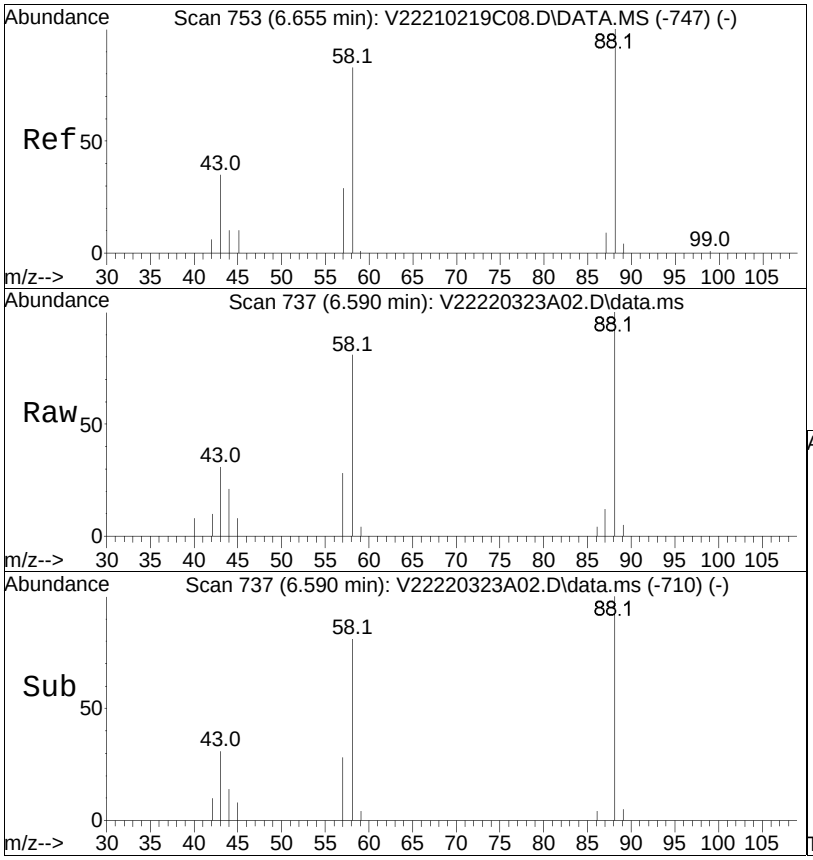


#57
Bromodichloromethane
Concen: 10.78 ug/L
RT: 6.377 min Scan# 708
Delta R.T. -0.007 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 83 Resp: 63957

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4
127	8.5	7.4	11.0

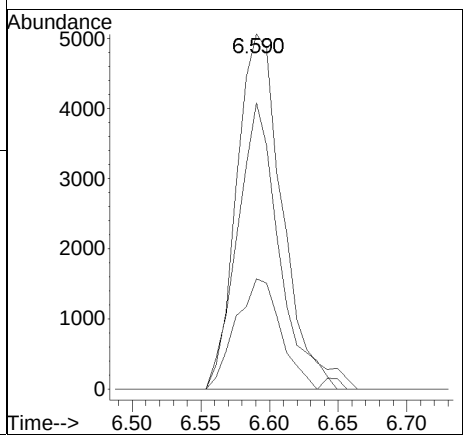


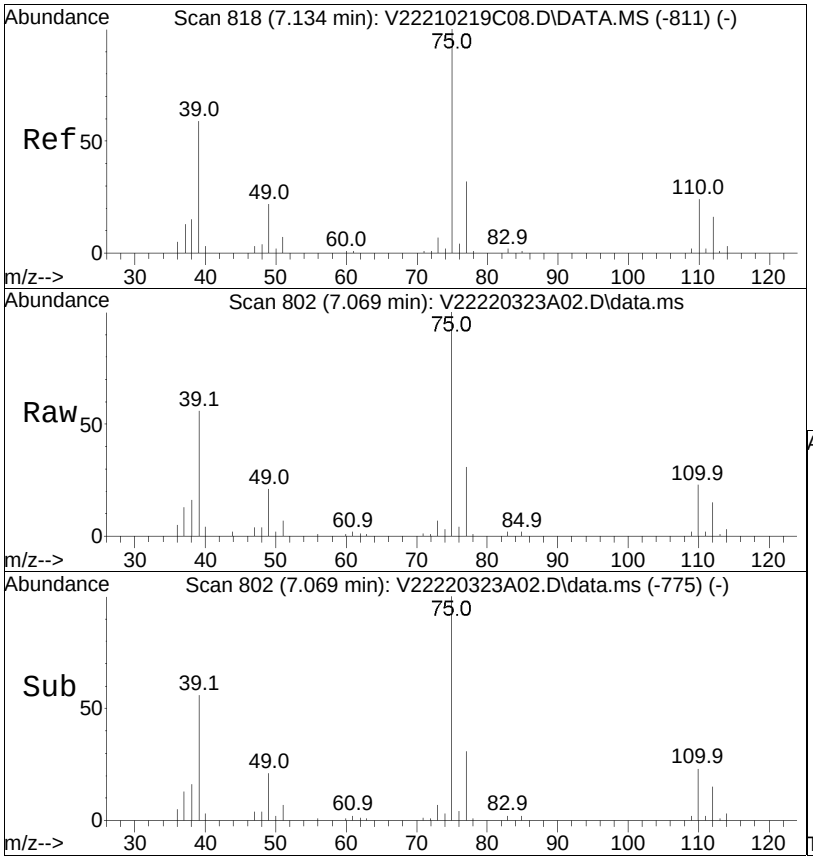


#60
1,4-Dioxane
Concen: 427.31 ug/L
RT: 6.590 min Scan# 737
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 88 Resp: 11814

Ion	Ratio	Lower	Upper
88	100		
58	73.0	43.3	64.9#
43	30.4	15.1	22.7#

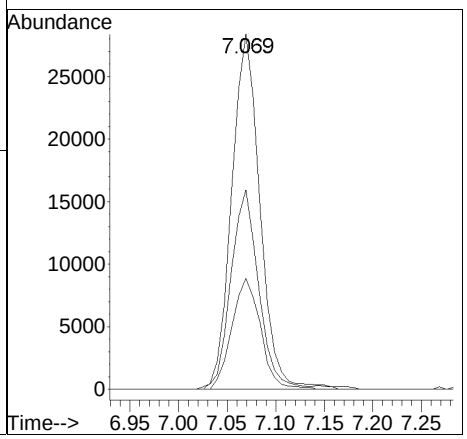


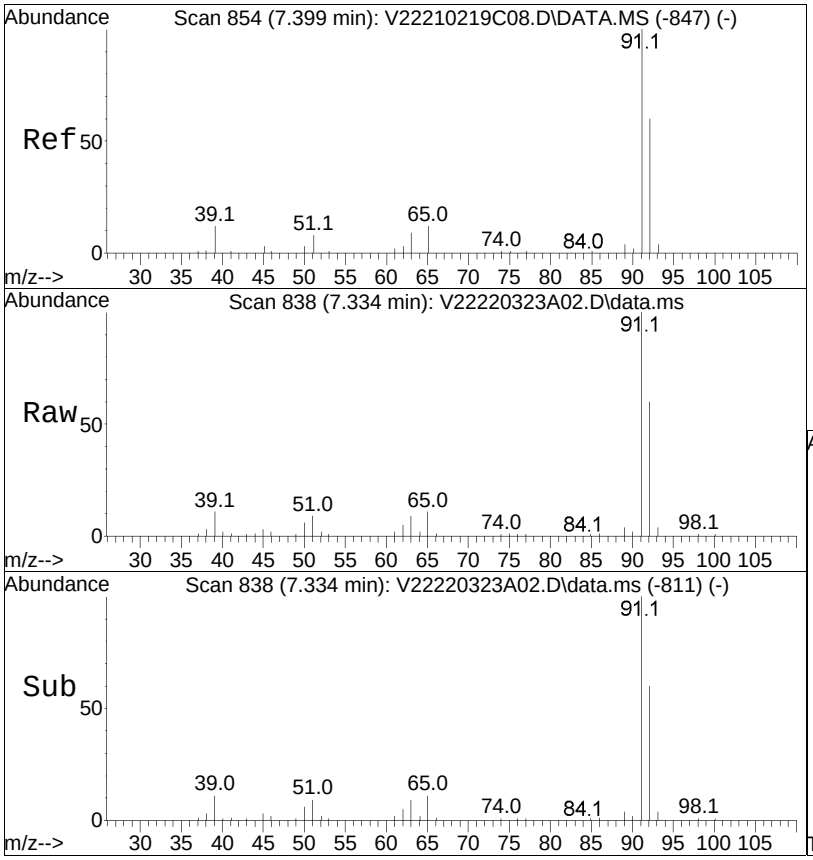


#61
cis-1,3-Dichloropropene
Concen: 9.95 ug/L
RT: 7.069 min Scan# 802
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 75 Resp: 57673

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4
39	55.1	35.4	53.0#

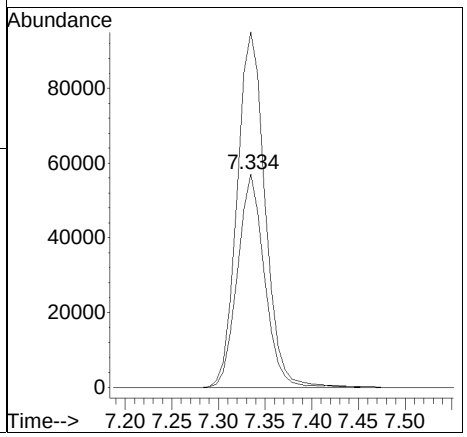


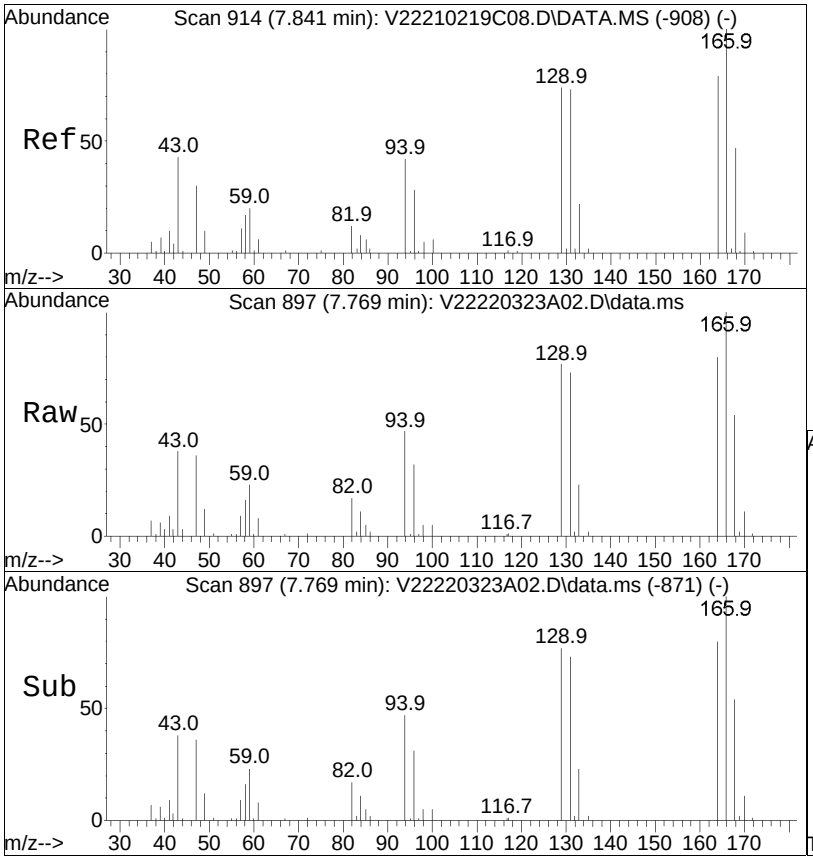


#64
Toluene
Concen: 10.47 ug/L
RT: 7.334 min Scan# 838
Delta R.T. -0.001 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 92 Resp: 114973

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.0	205.6

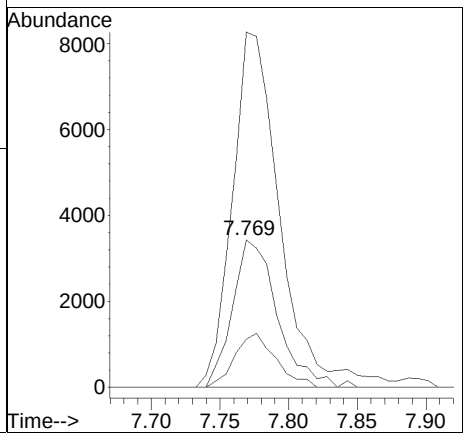


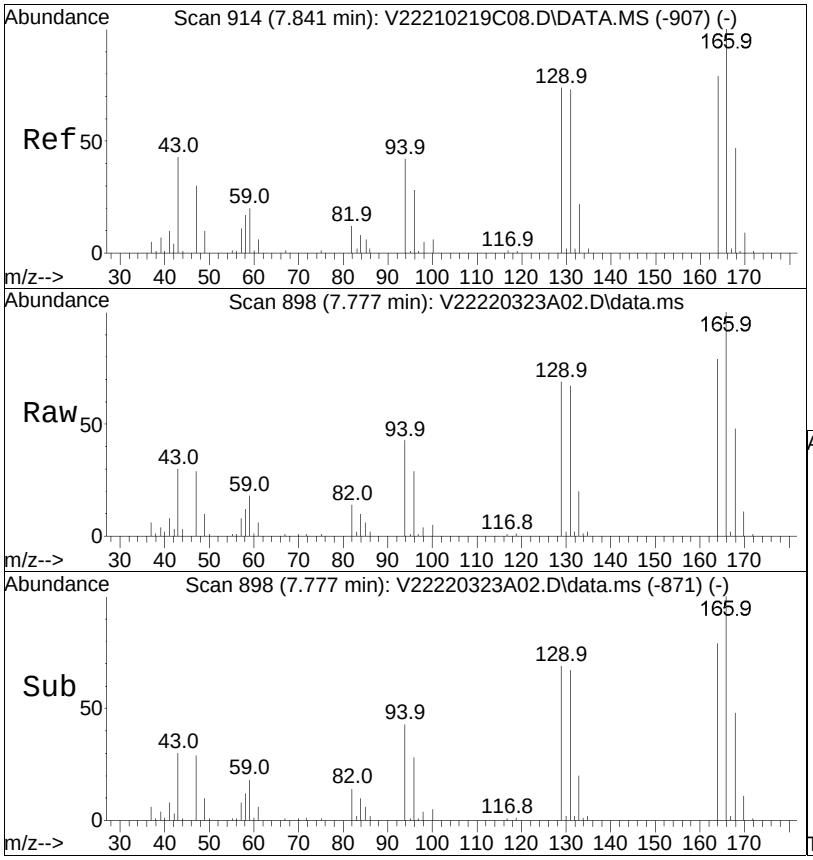


#65
4-Methyl-2-pentanone
Concen: 8.66 ug/L
RT: 7.769 min Scan# 897
Delta R.T. -0.008 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 58 Resp: 7831

Ion	Ratio	Lower	Upper
58	100		
100	33.5	36.2	54.4#
43	255.8	181.8	272.8

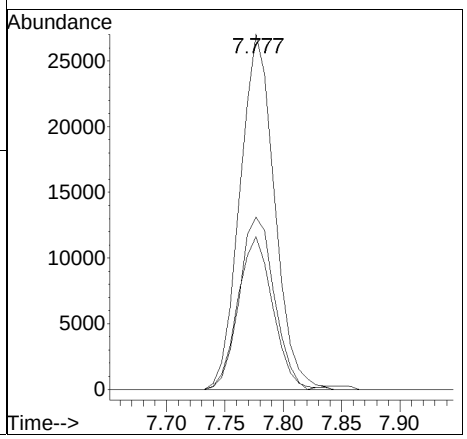


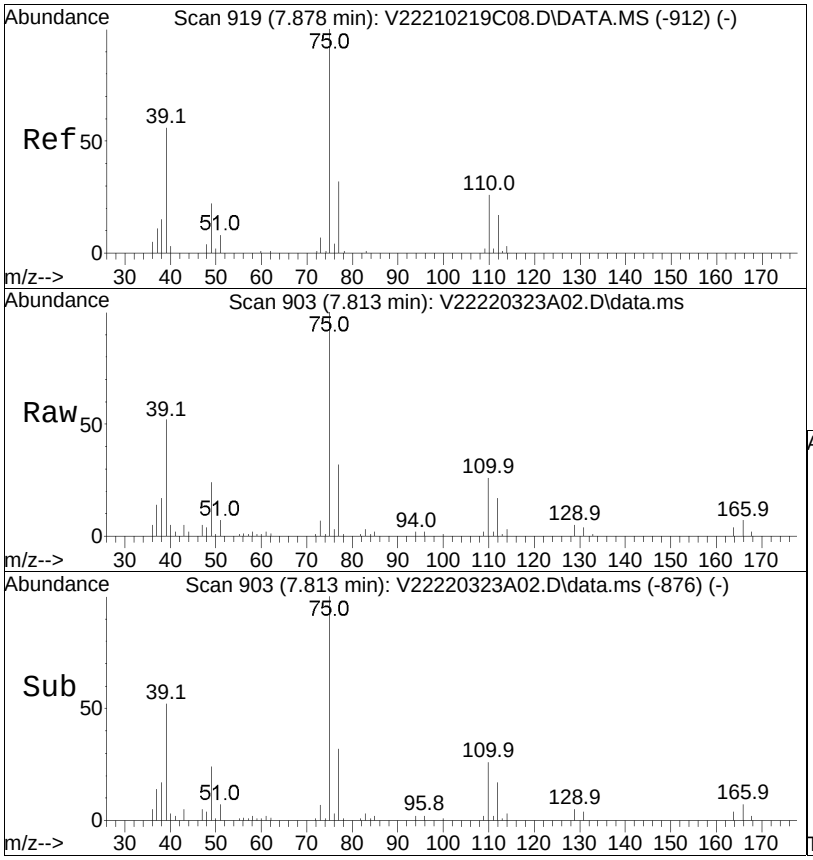


#66
Tetrachloroethene
Concen: 10.82 ug/L
RT: 7.777 min Scan# 898
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:166 Resp: 56048

Ion	Ratio	Lower	Upper
166	100		
168	48.9	27.8	67.8
94	43.4	16.7	56.7

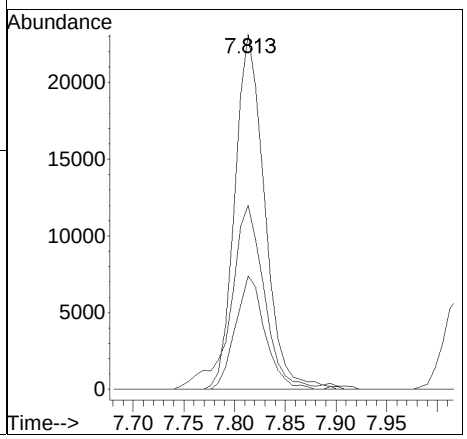


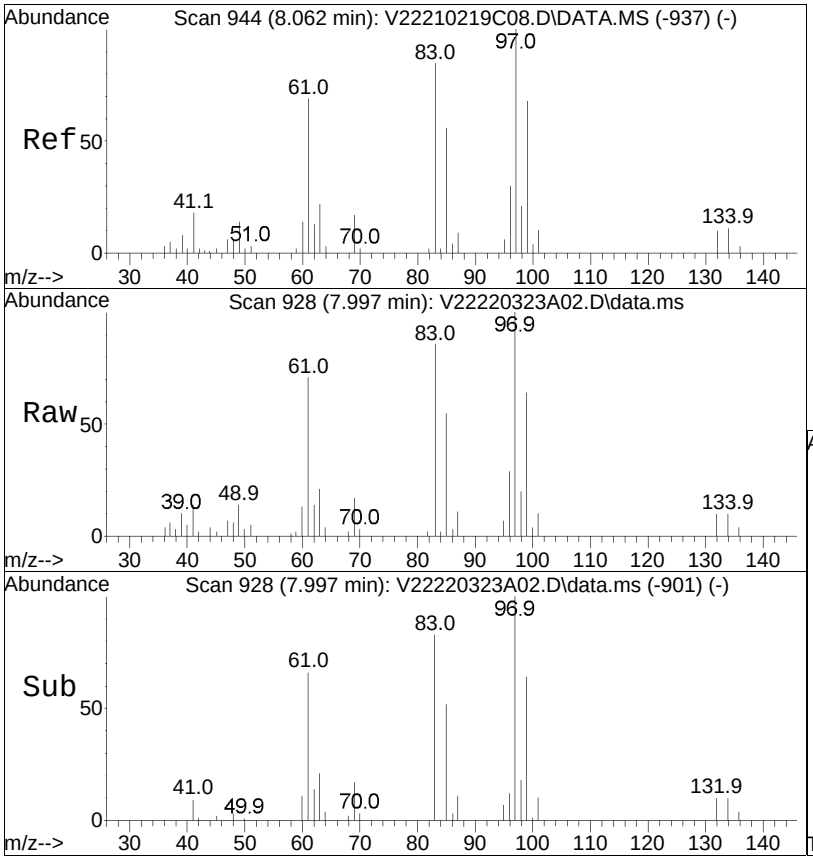


#68
trans-1,3-Dichloropropene
Concen: 8.16 ug/L
RT: 7.813 min Scan# 903
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 75 Resp: 47664

Ion	Ratio	Lower	Upper
75	100		
77	31.7	11.9	51.9
39	58.6	27.4	67.4

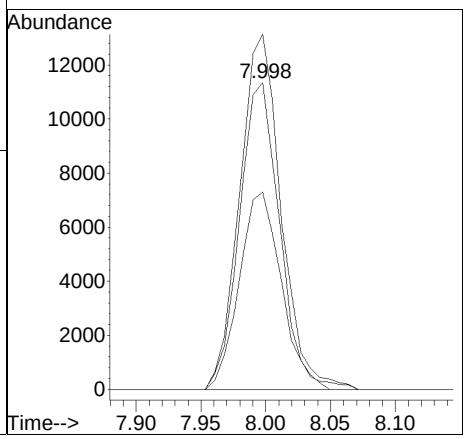


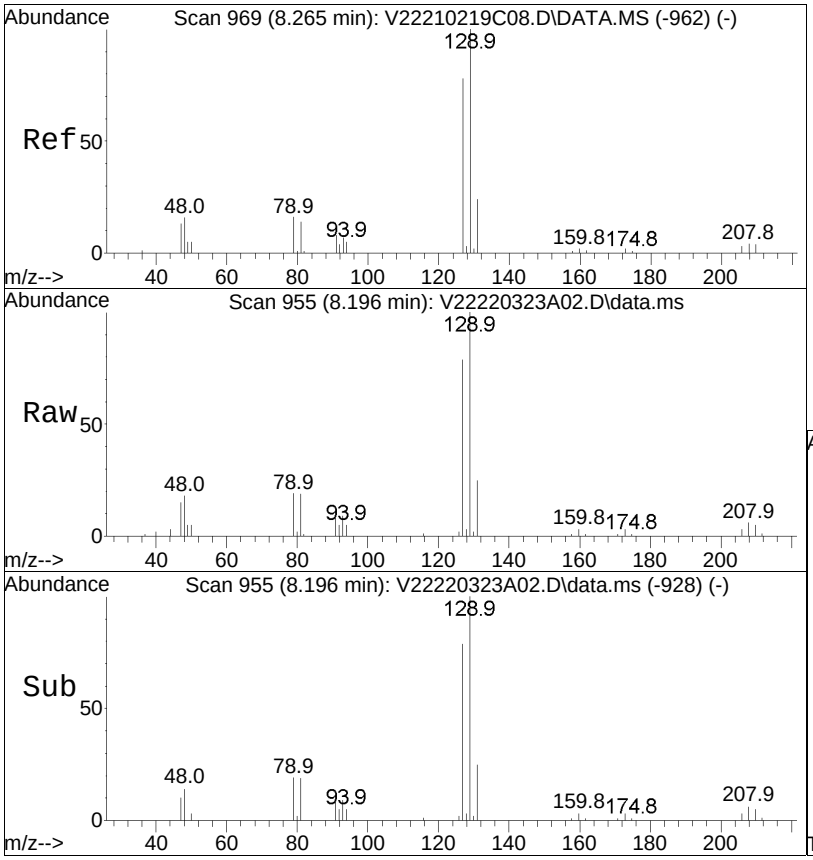


#71
1,1,2-Trichloroethane
Concen: 9.73 ug/L
RT: 7.997 min Scan# 928
Delta R.T. -0.001 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 83 Resp: 24504

Ion	Ratio	Lower	Upper
83	100		
97	119.1	103.4	143.4
85	67.2	47.9	87.9

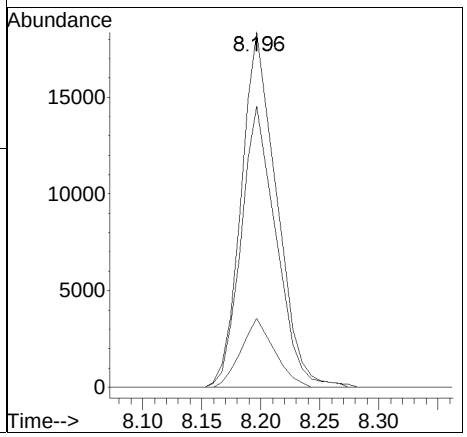


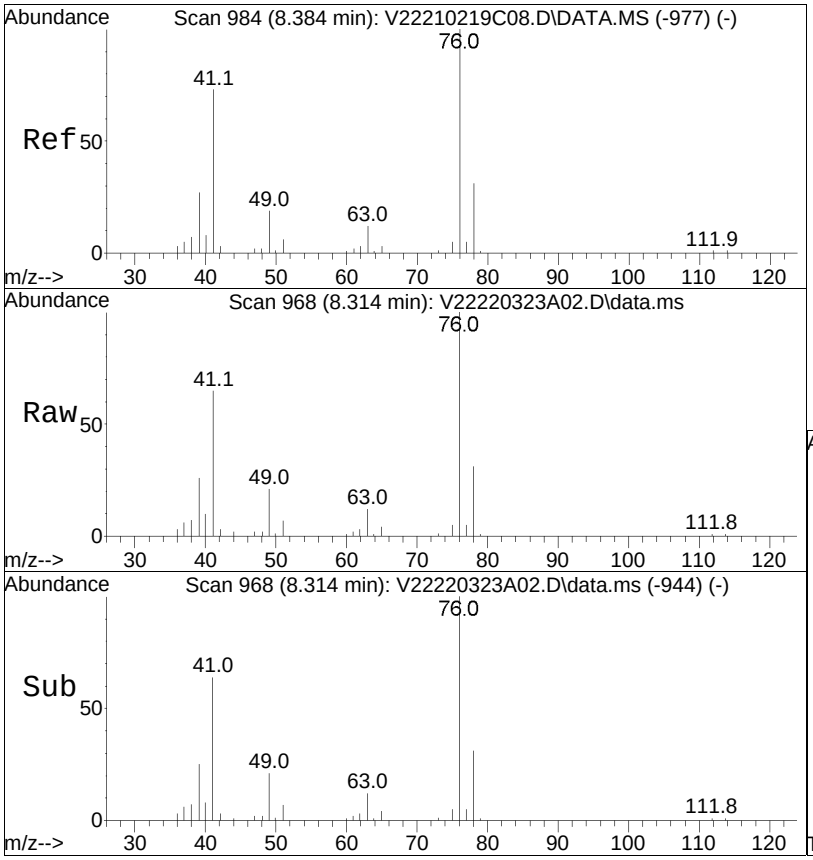


#72
Chlorodibromomethane
Concen: 10.59 ug/L
RT: 8.196 min Scan# 955
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:129 Resp: 30746

Ion	Ratio	Lower	Upper
129	100		
81	19.3	0.0	33.8
127	78.9	57.1	97.1

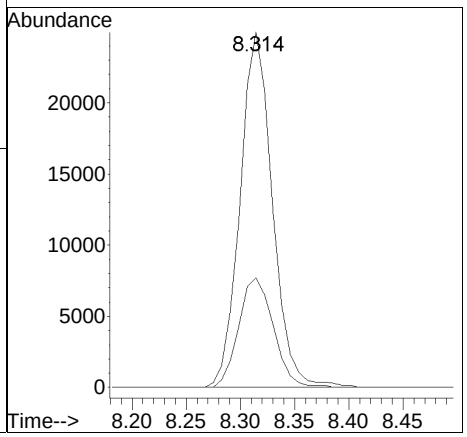


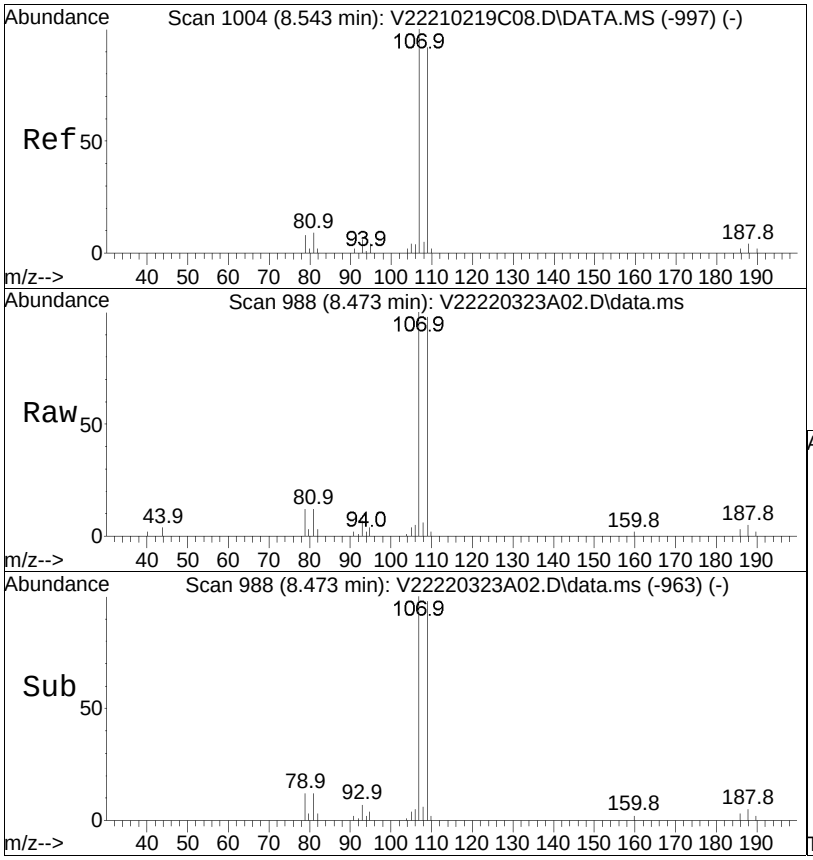


#73
1,3-Dichloropropane
Concen: 9.98 ug/L
RT: 8.314 min Scan# 968
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 76 Resp: 51877

Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.7	38.5

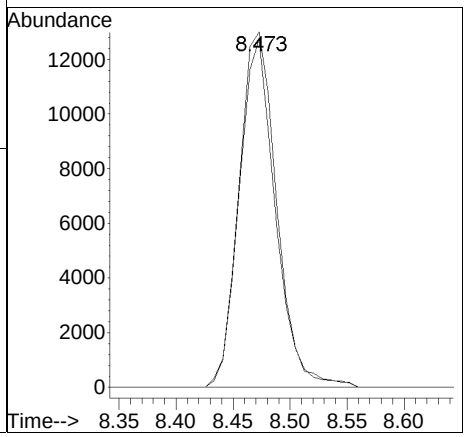


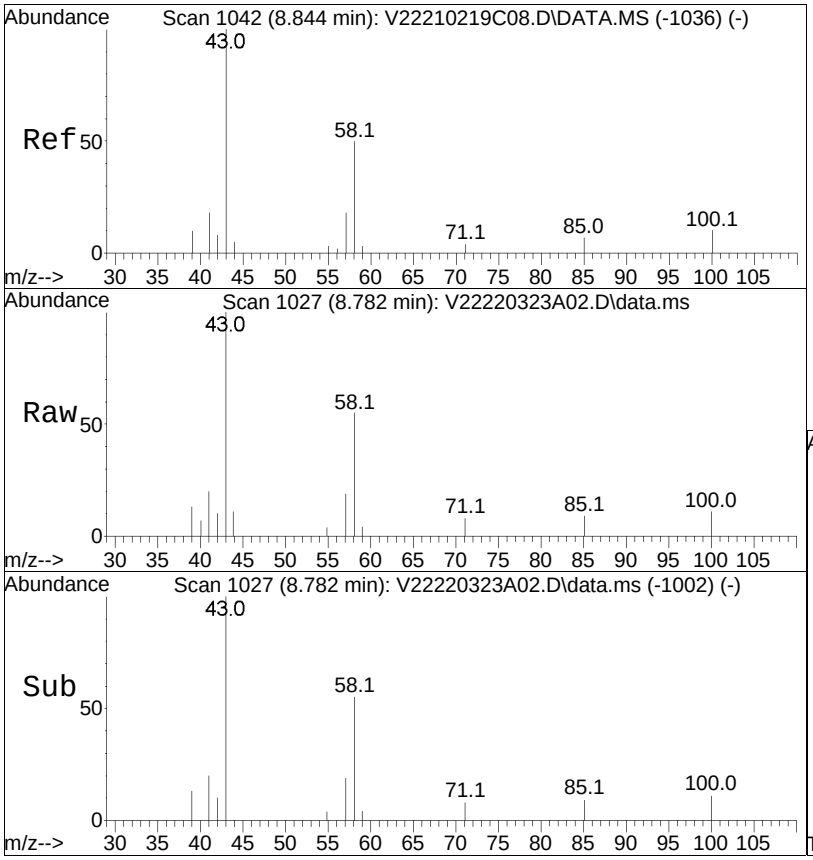


#74
1,2-Dibromoethane
Concen: 9.56 ug/L
RT: 8.473 min Scan# 988
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:107 Resp: 30048

Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.1	112.7

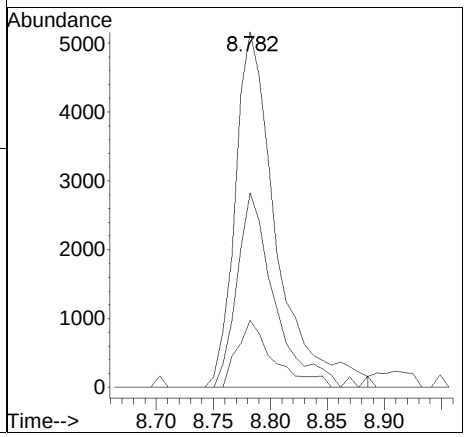


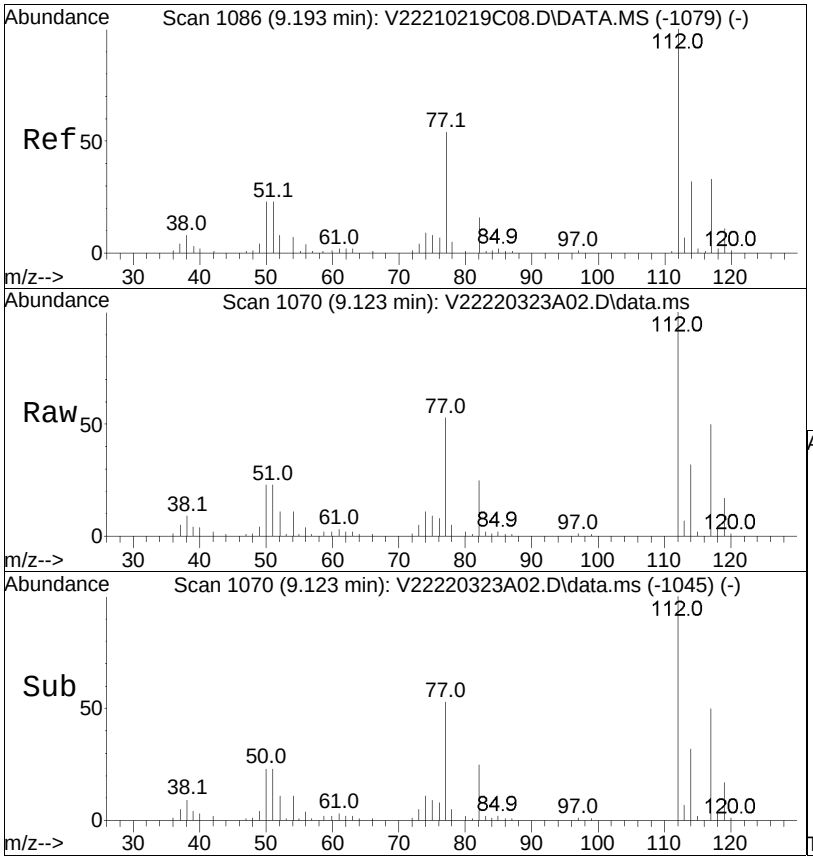


#76
2-Hexanone
Concen: 6.96 ug/L
RT: 8.782 min Scan# 1027
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 43 Resp: 12962

Ion	Ratio	Lower	Upper
43	100		
58	49.6	47.6	71.4
57	16.9	16.6	24.8

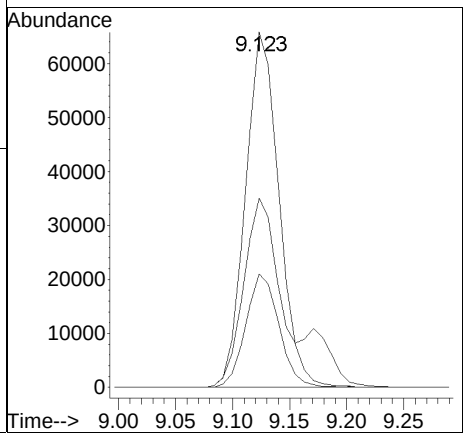


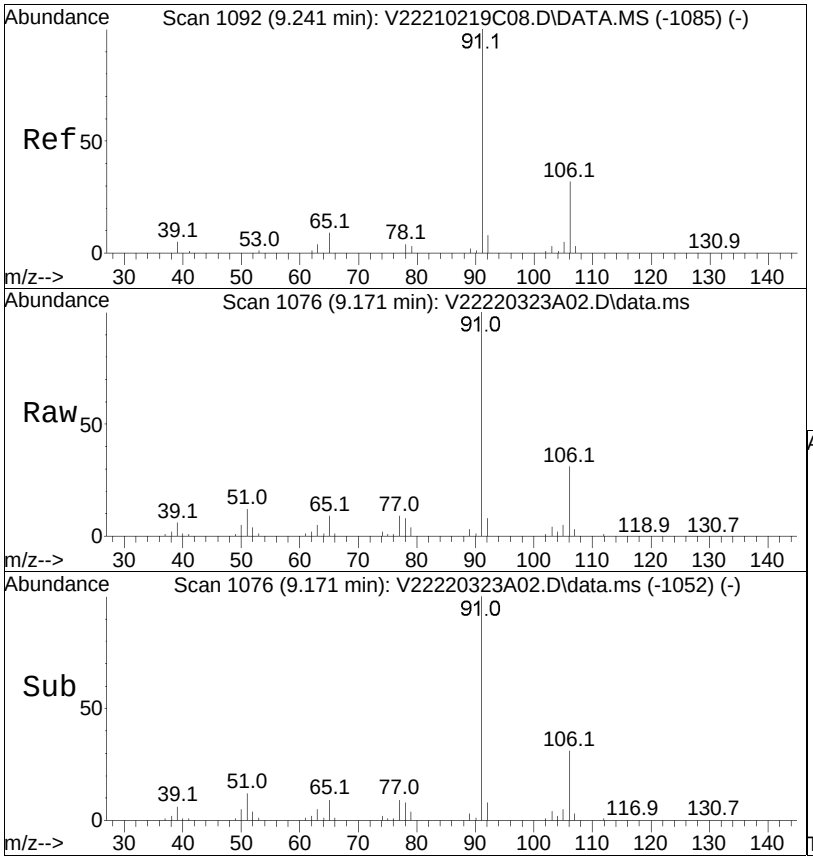


#77
Chlorobenzene
Concen: 10.65 ug/L
RT: 9.123 min Scan# 1070
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:112 Resp: 134831

Ion	Ratio	Lower	Upper
112	100		
77	55.7	55.4	83.0
114	31.7	26.2	39.4

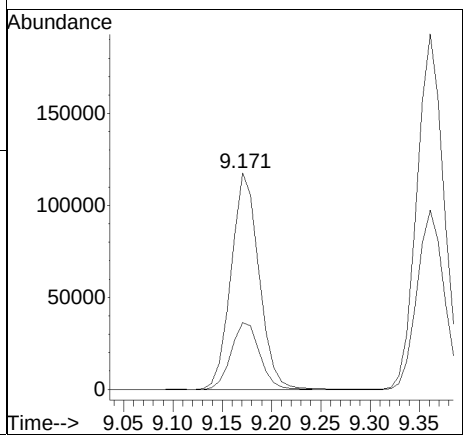


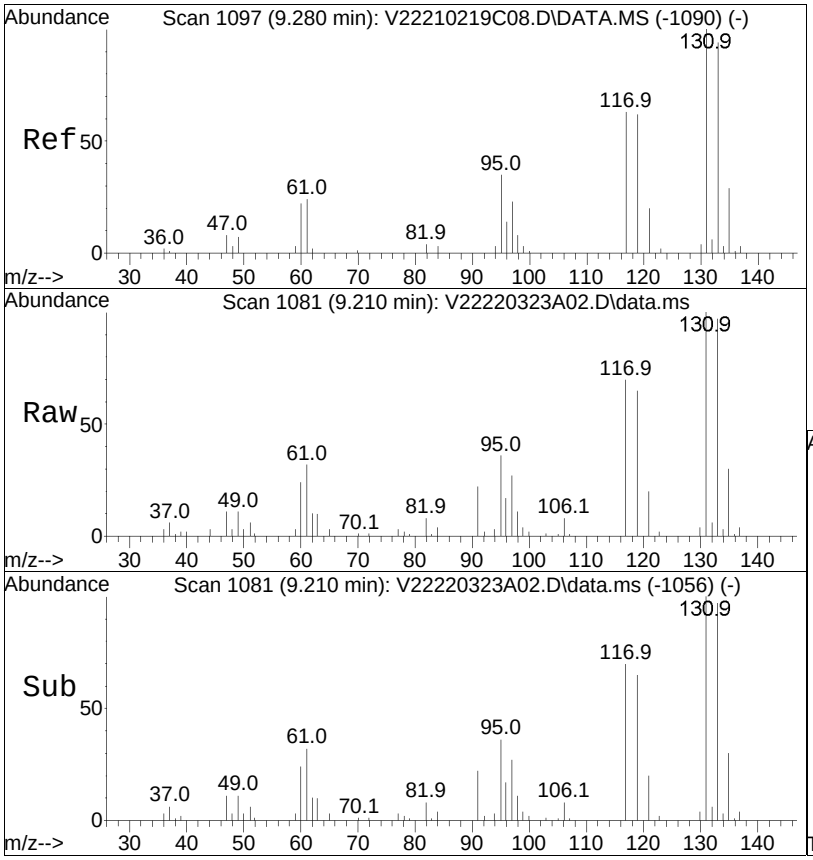


#78
Ethylbenzene
Concen: 10.48 ug/L
RT: 9.171 min Scan# 1076
Delta R.T. -0.008 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 91 Resp: 232151

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.8	38.6

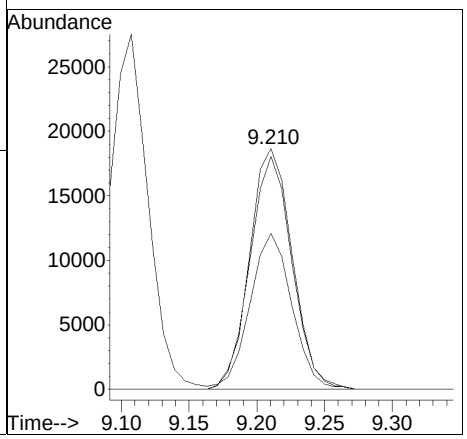


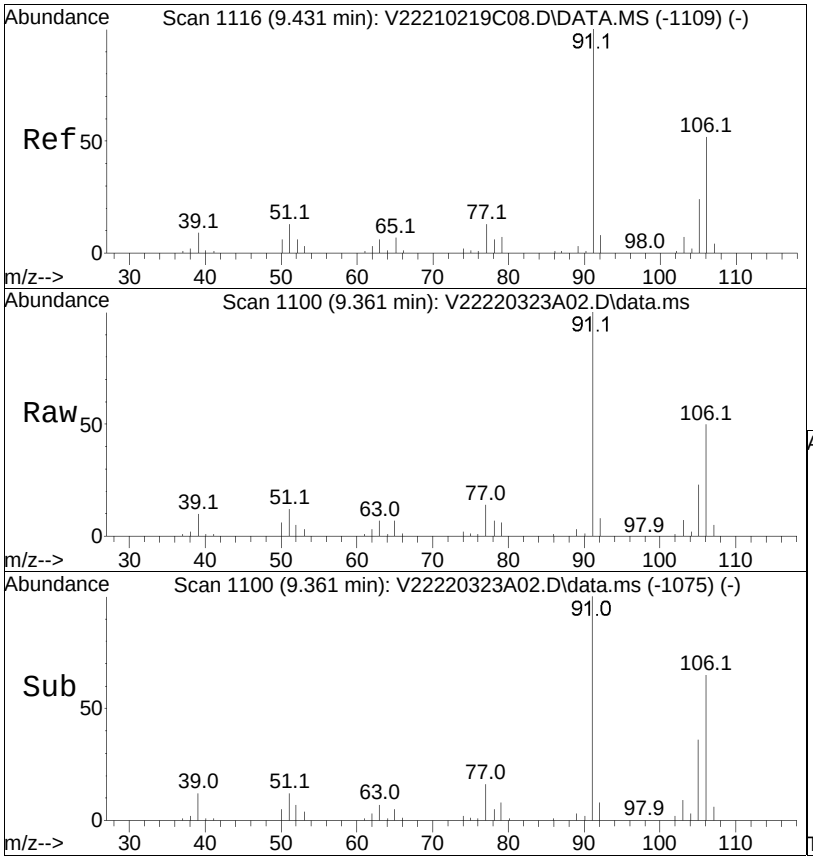


#79
1,1,1,2-Tetrachloroethane
Concen: 9.41 ug/L
RT: 9.210 min Scan# 1081
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:131 Resp: 40909

Ion	Ratio	Lower	Upper
131	100		
133	95.5	75.3	115.3
119	63.8	49.3	89.3

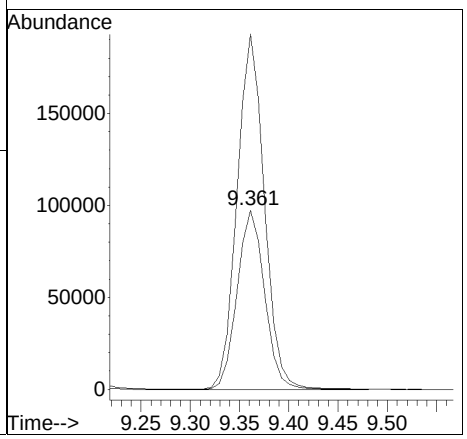


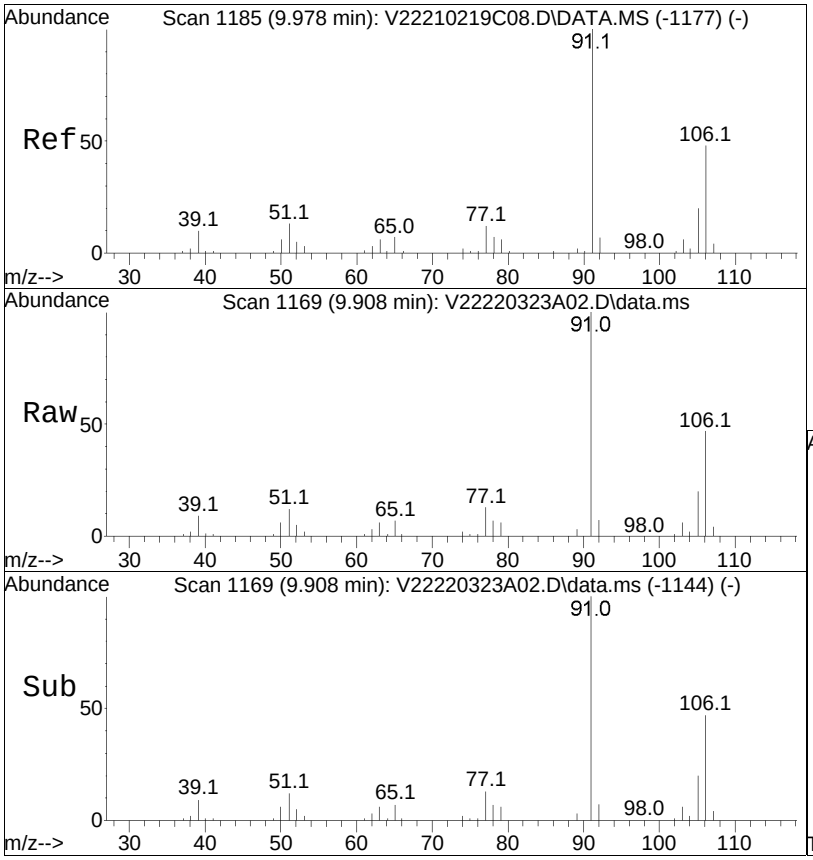


#80
p/m Xylene
Concen: 21.64 ug/L
RT: 9.361 min Scan# 1100
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:106 Resp: 188917

Ion	Ratio	Lower	Upper
106	100		
91	197.2	156.0	234.0

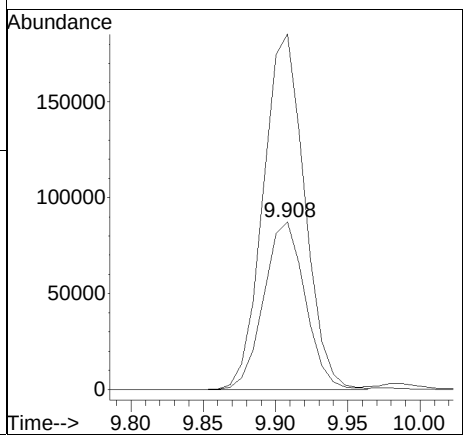


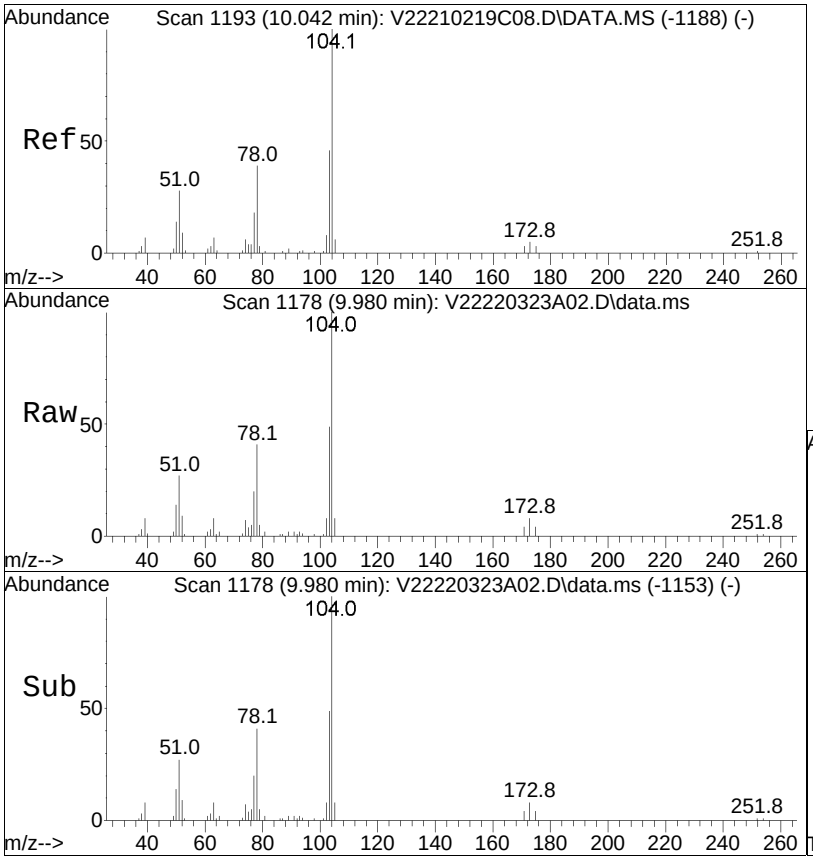


#81
o Xylene
Concen: 20.81 ug/L
RT: 9.908 min Scan# 1169
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:106 Resp: 173735

Ion	Ratio	Lower	Upper
106	100		
91	211.7	164.0	246.0

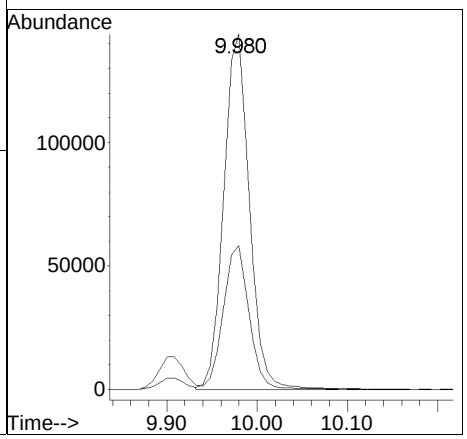


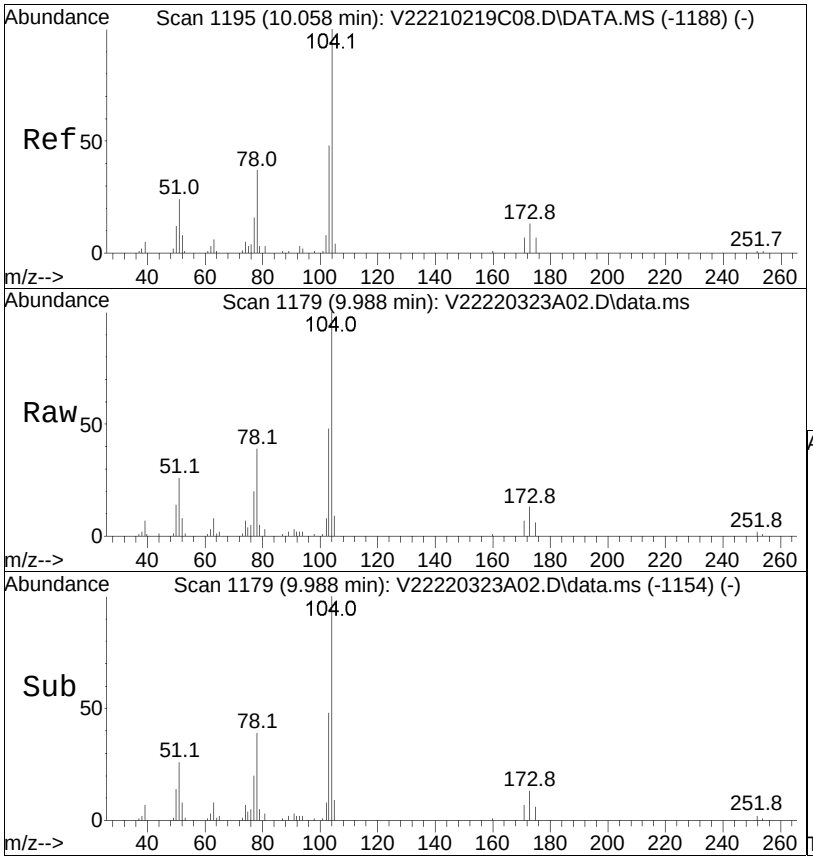


#82
Styrene
Concen: 20.61 ug/L
RT: 9.980 min Scan# 1178
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:104 Resp: 283964

Ion	Ratio	Lower	Upper
104	100		
78	40.6	32.1	48.1

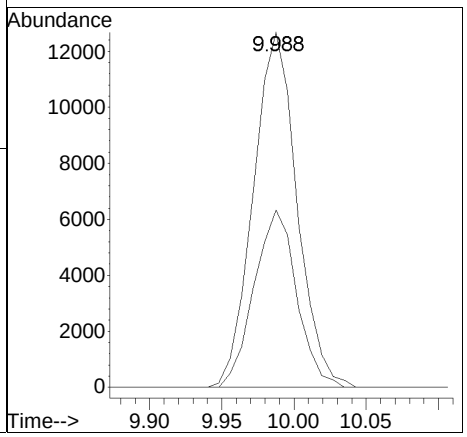


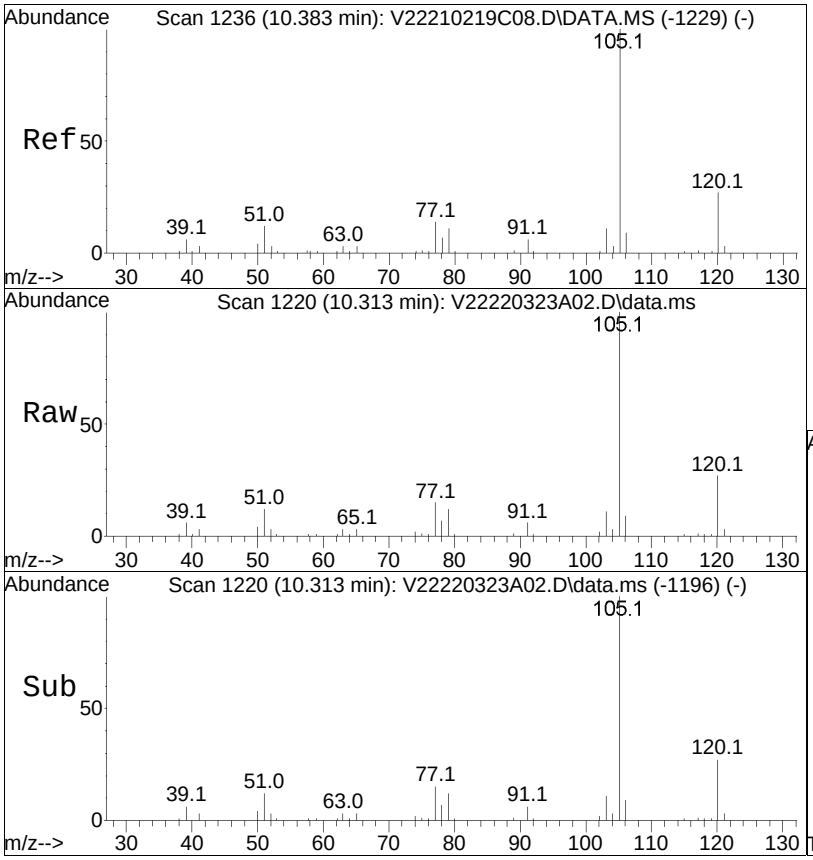


#84
Bromoform
Concen: 9.41 ug/L
RT: 9.988 min Scan# 1179
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:173 Resp: 26692

Ion	Ratio	Lower	Upper
173	100		
175	48.5	29.3	69.3

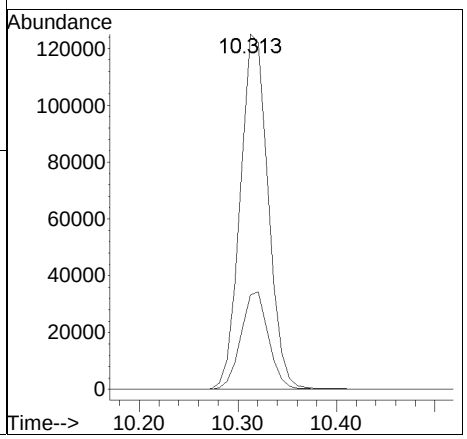


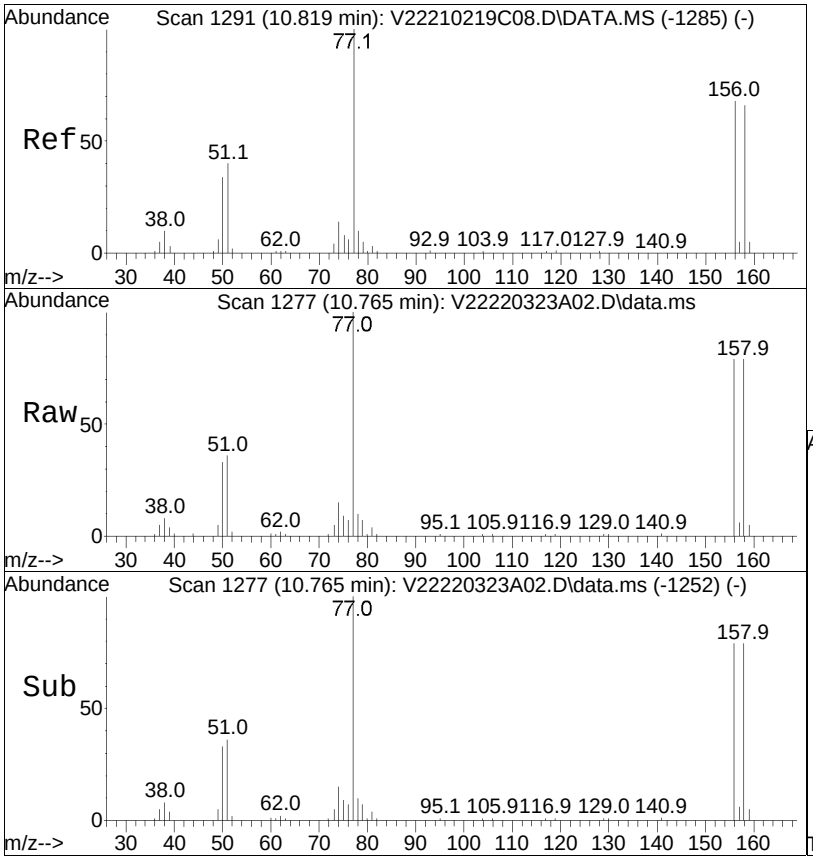


#86
Isopropylbenzene
Concen: 9.67 ug/L
RT: 10.313 min Scan# 1220
Delta R.T. -0.008 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:105 Resp: 246802

Ion	Ratio	Lower	Upper
105	100		
120	27.1	7.7	47.7

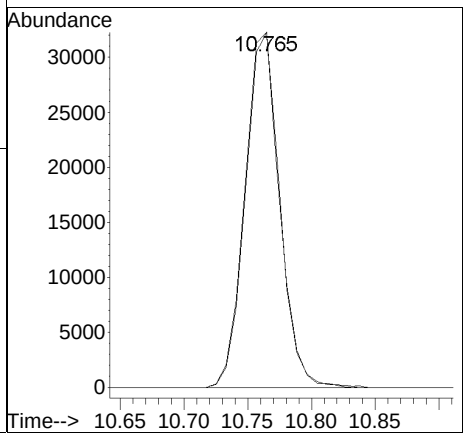


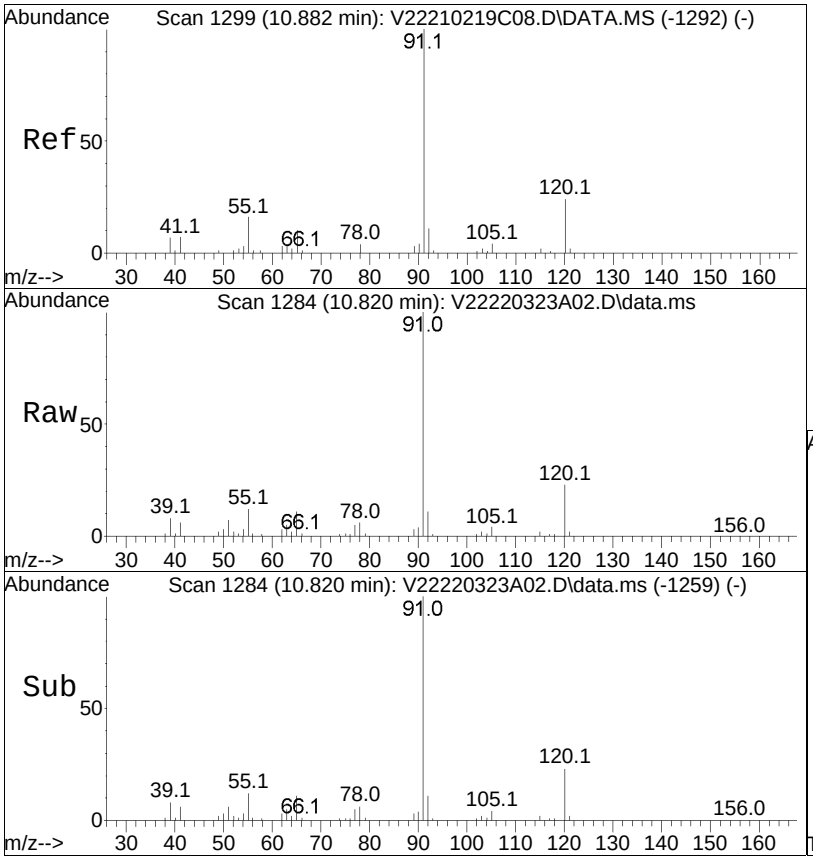


#88
Bromobenzene
Concen: 10.25 ug/L
RT: 10.765 min Scan# 1277
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:156 Resp: 61510

Ion	Ratio	Lower	Upper
156	100		
158	97.5	77.9	116.9

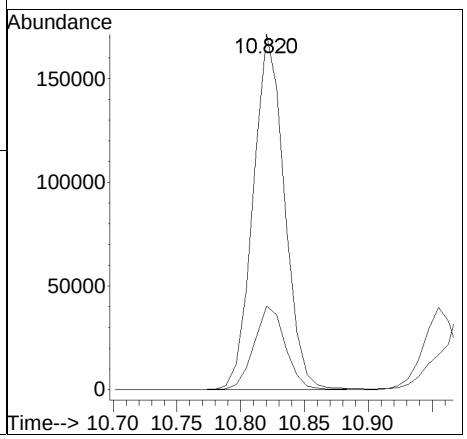


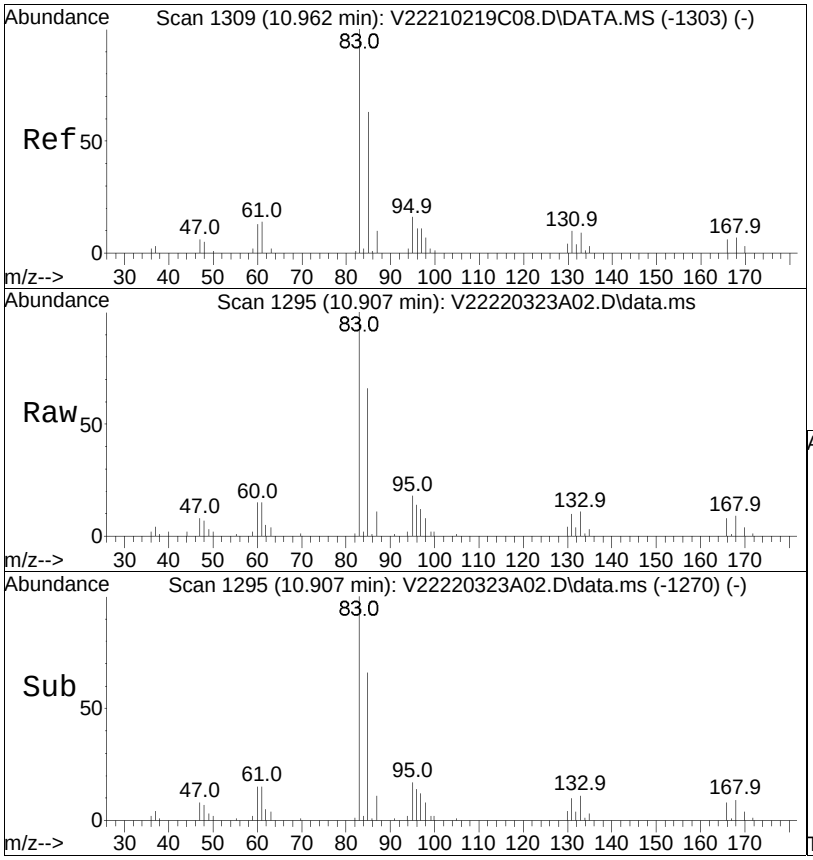


#89
n-Propylbenzene
Concen: 9.90 ug/L
RT: 10.820 min Scan# 1284
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 91 Resp: 292248

Ion	Ratio	Lower	Upper
91	100		
120	23.3	19.5	29.3

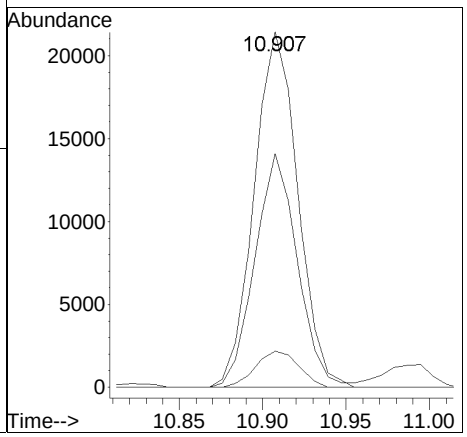


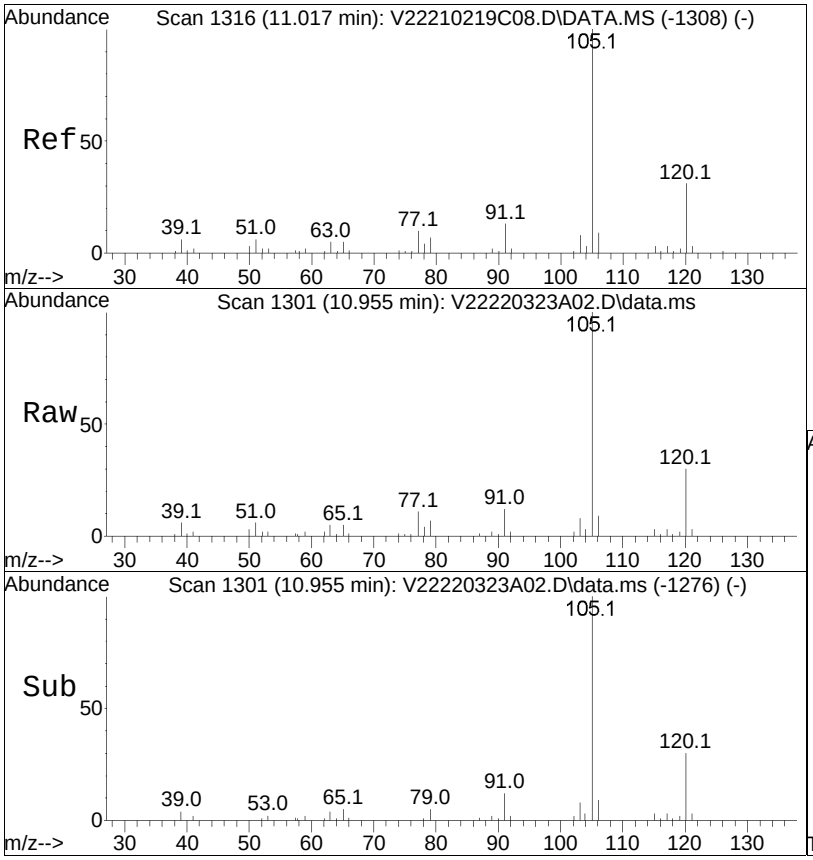


#91
1,1,2,2-Tetrachloroethane
Concen: 9.74 ug/L
RT: 10.907 min Scan# 1295
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 83 Resp: 39052

Ion	Ratio	Lower	Upper
83	100		
131	10.1	0.0	30.8
85	64.1	45.4	85.4

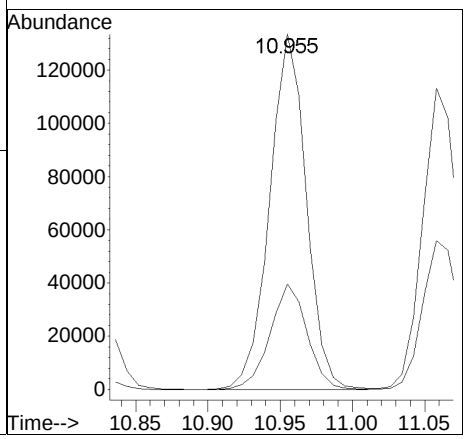


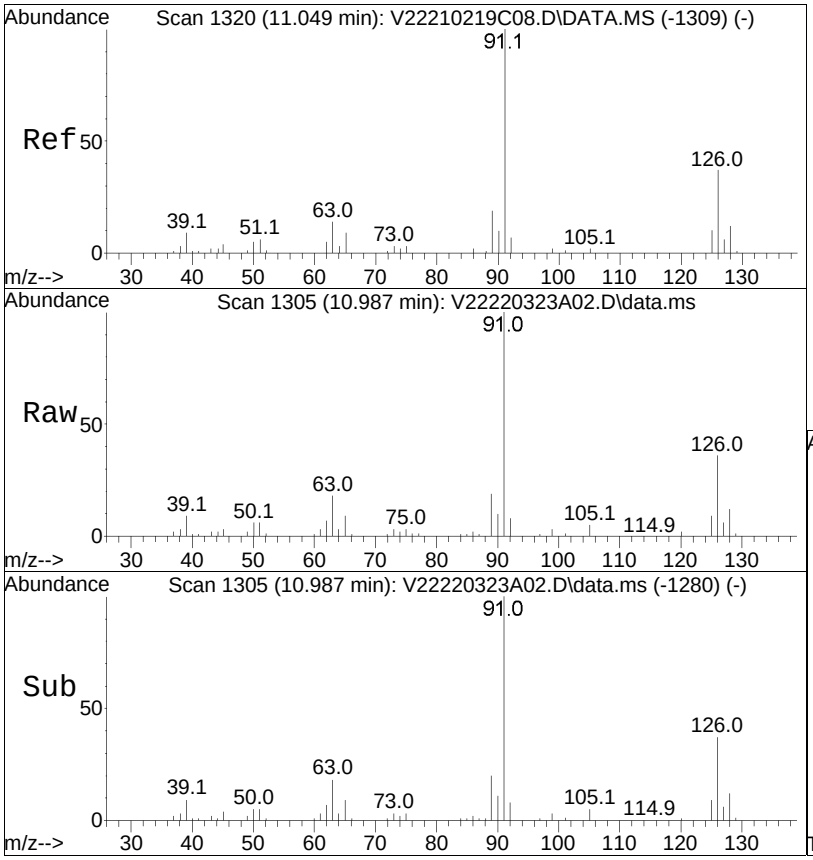


#92
4-Ethyltoluene
Concen: 9.52 ug/L
RT: 10.955 min Scan# 1301
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:105 Resp: 234953

Ion	Ratio	Lower	Upper
105	100		
120	29.9	19.8	41.0

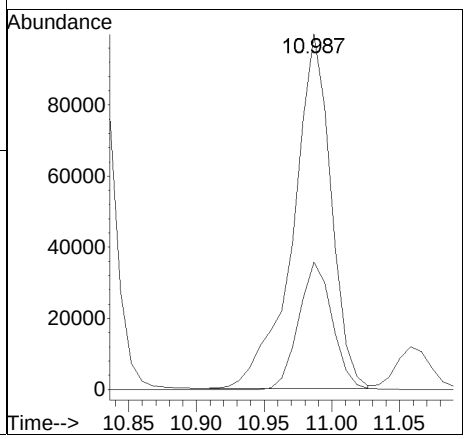


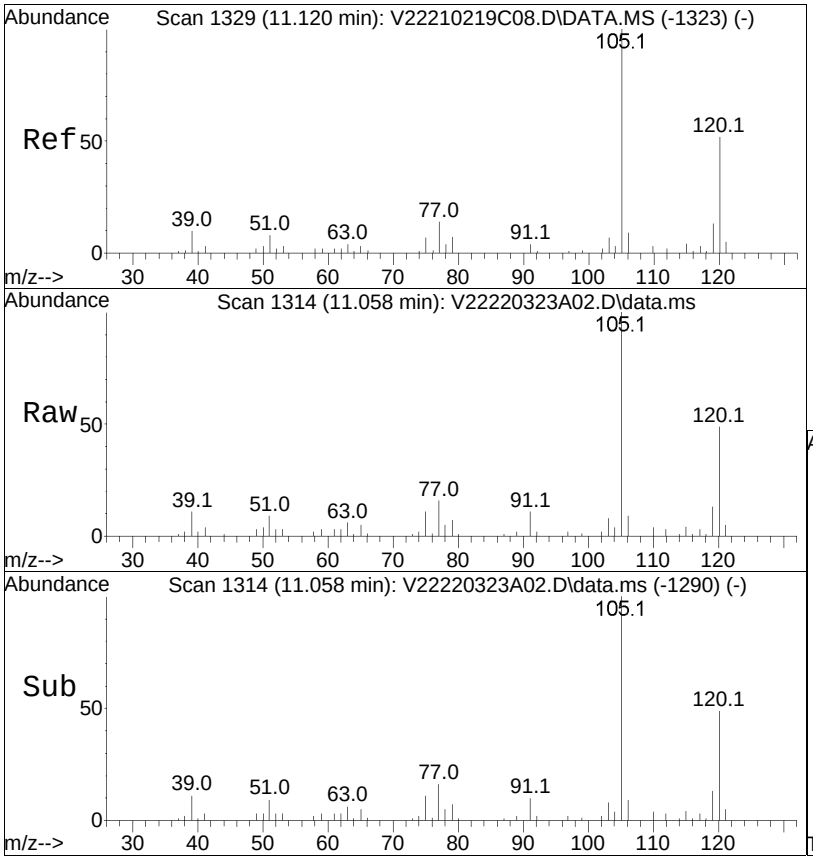


#93
2-Chlorotoluene
Concen: 9.69 ug/L
RT: 10.987 min Scan# 1305
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 91 Resp: 195167

Ion	Ratio	Lower	Upper
91	100		
126	31.6	24.6	37.0

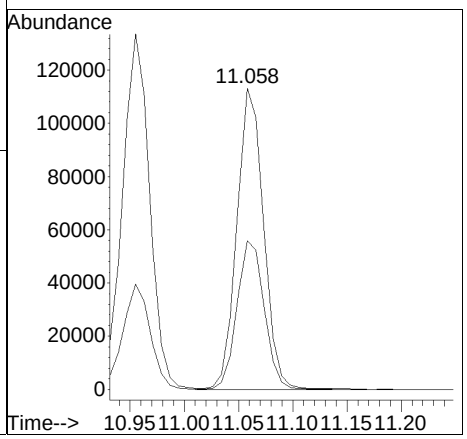


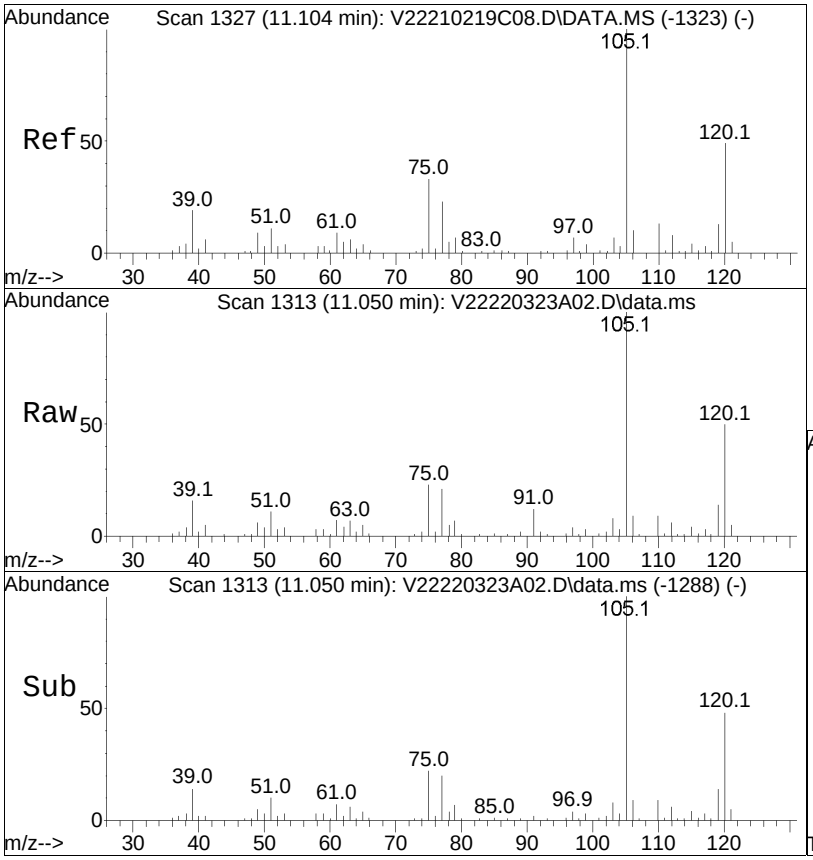


#94
1,3,5-Trimethylbenzene
Concen: 9.37 ug/L
RT: 11.058 min Scan# 1314
Delta R.T. -0.008 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:105 Resp: 194242

Ion	Ratio	Lower	Upper
105	100		
120	50.3	40.9	61.3

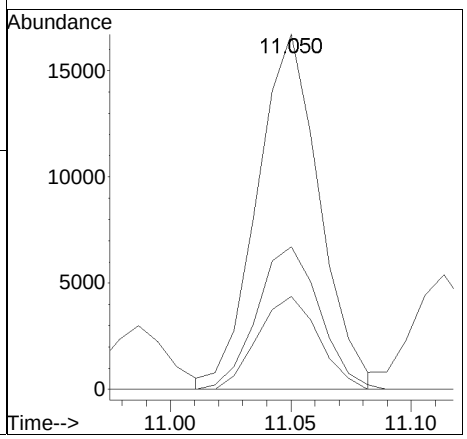


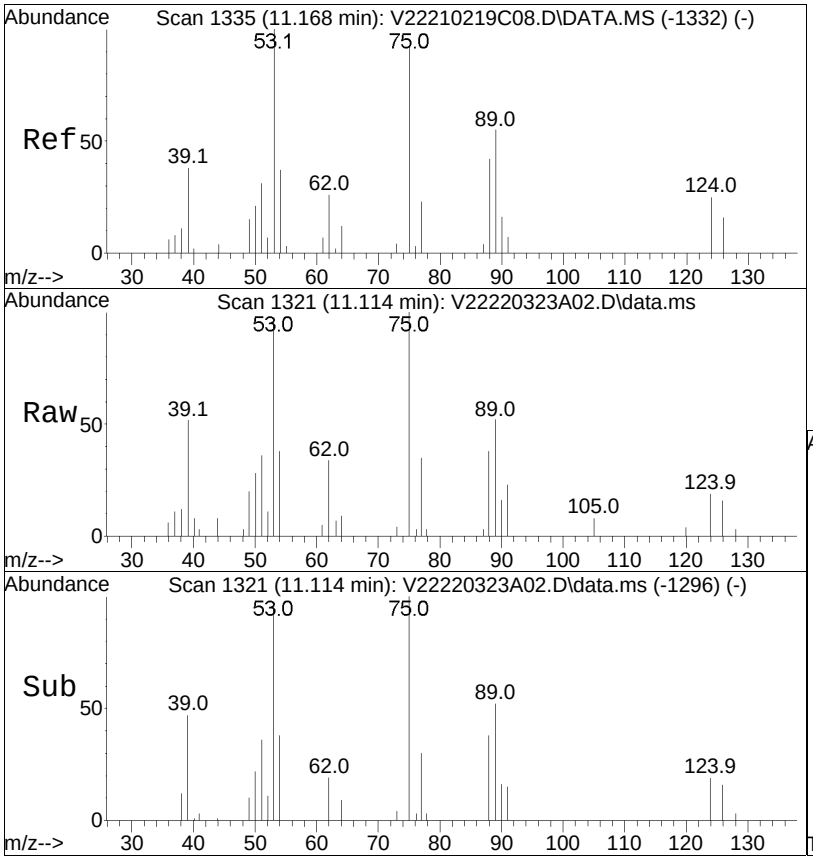


#95
1,2,3-Trichloropropane
Concen: 9.16 ug/L
RT: 11.050 min Scan# 1313
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 75 Resp: 30140

Ion	Ratio	Lower	Upper
75	100		
110	40.4	26.3	54.7
112	25.5	16.8	35.0

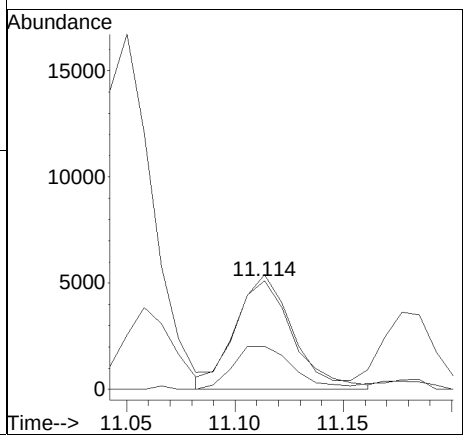


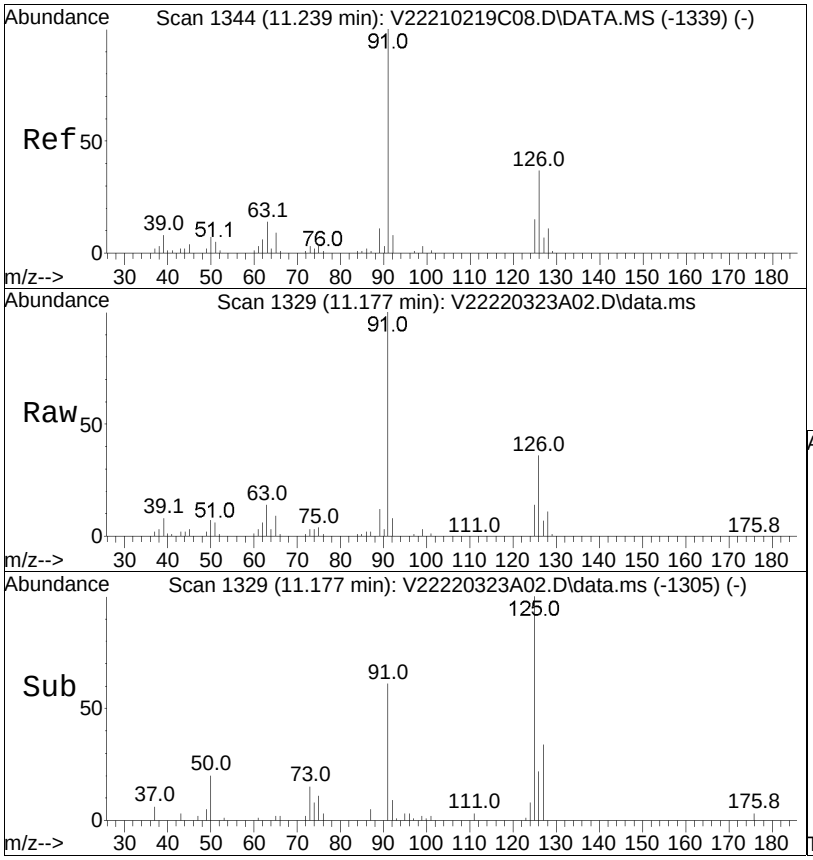


#96
trans-1,4-Dichloro-2-butene
Concen: 7.63 ug/L
RT: 11.114 min Scan# 1321
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 53 Resp: 9666

Ion	Ratio	Lower	Upper
53	100		
88	41.1	46.3	69.5#
75	99.9	109.0	163.4#

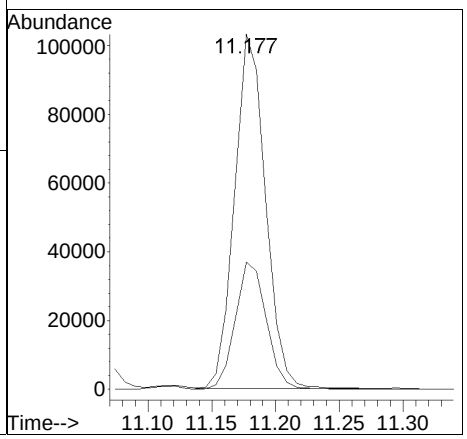


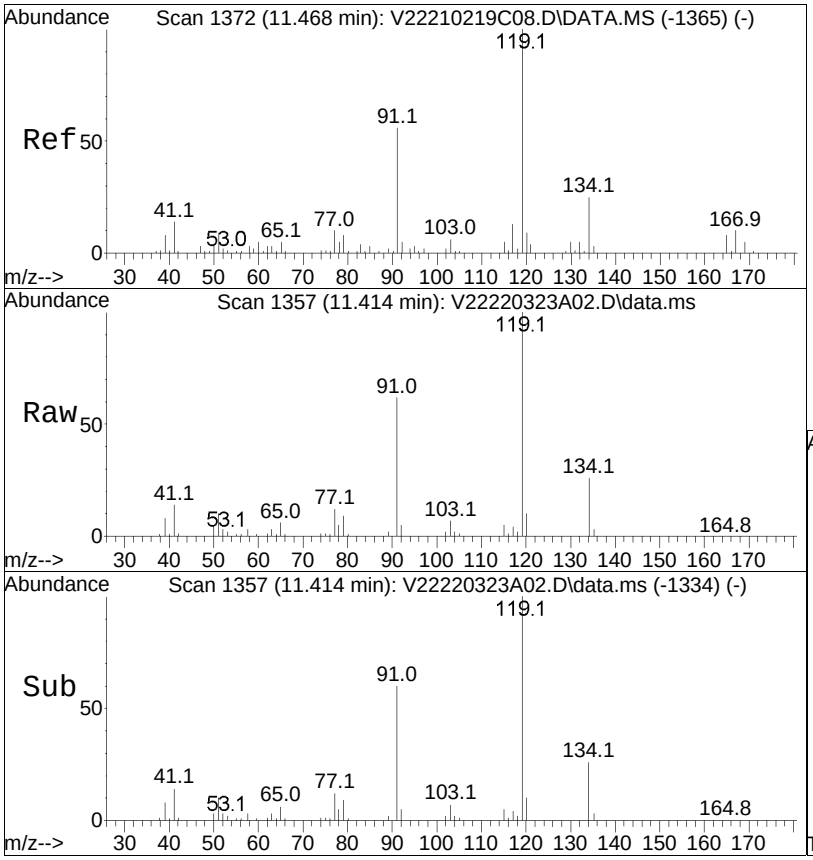


#97
4-Chlorotoluene
Concen: 9.68 ug/L
RT: 11.177 min Scan# 1329
Delta R.T. -0.008 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 91 Resp: 174374

Ion	Ratio	Lower	Upper
91	100		
126	36.1	28.5	42.7

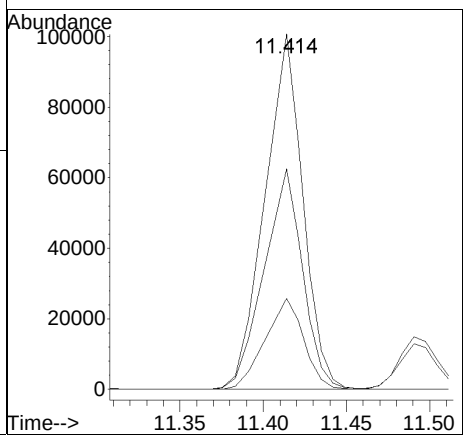


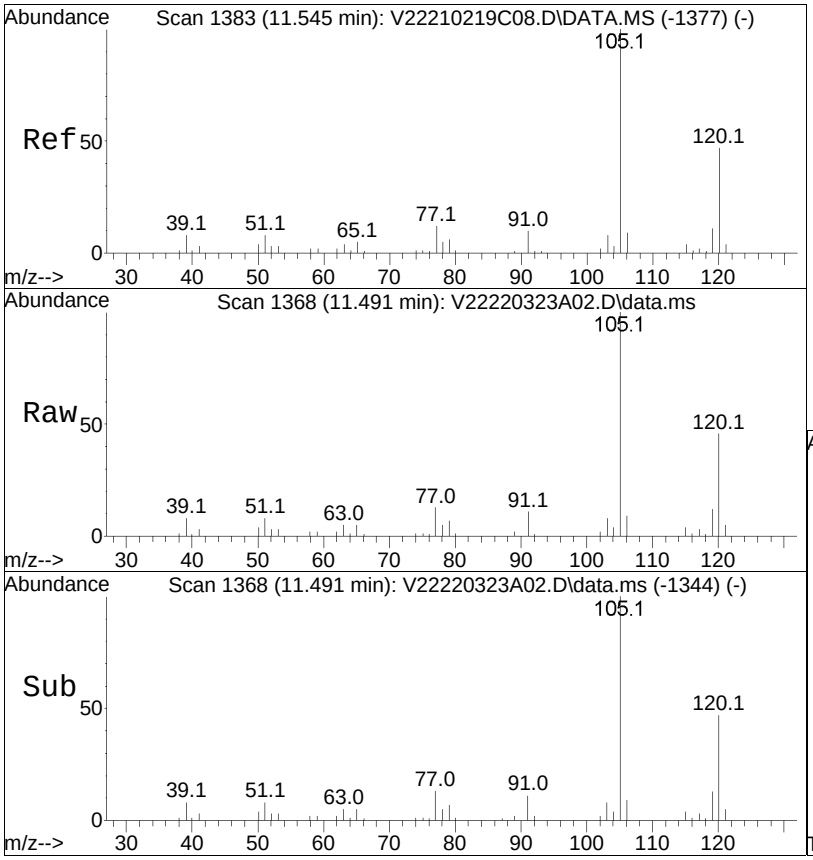


#98
tert-Butylbenzene
Concen: 8.54 ug/L
RT: 11.414 min Scan# 1357
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:119 Resp: 125748

Ion	Ratio	Lower	Upper
119	100		
91	63.7	50.2	75.4
134	26.4	20.8	31.2

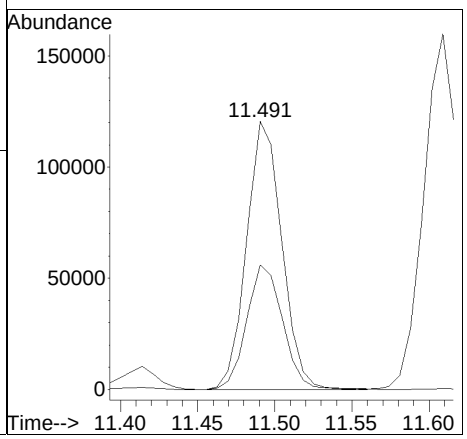


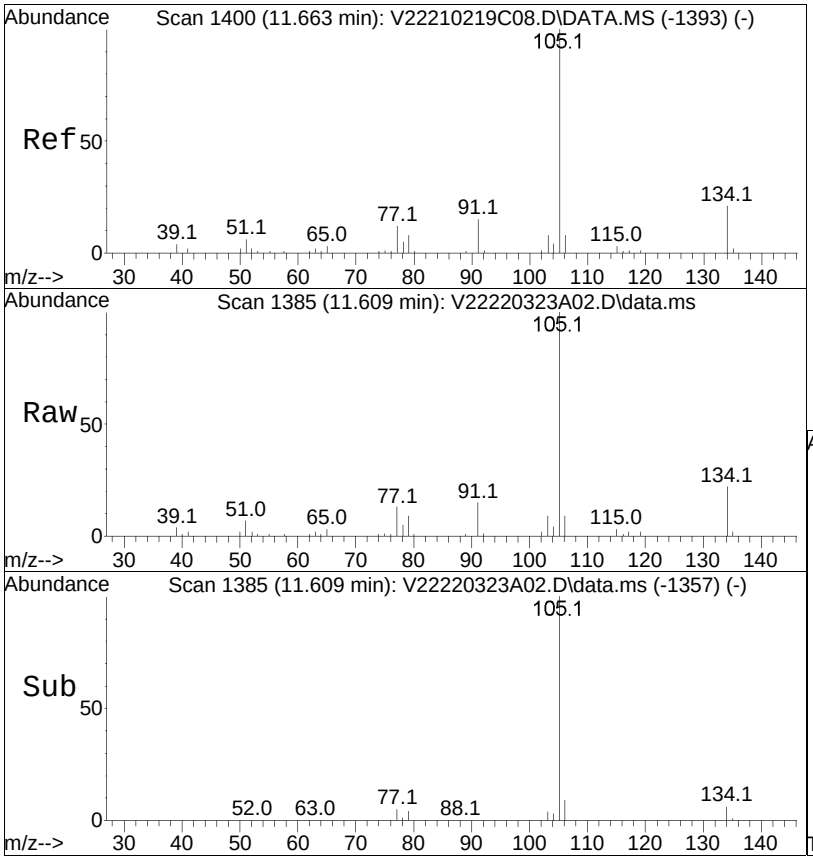


#101
1,2,4-Trimethylbenzene
Concen: 9.41 ug/L
RT: 11.491 min Scan# 1368
Delta R.T. -0.007 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:105 Resp: 191696

Ion	Ratio	Lower	Upper
105	100		
120	47.1	38.5	57.7

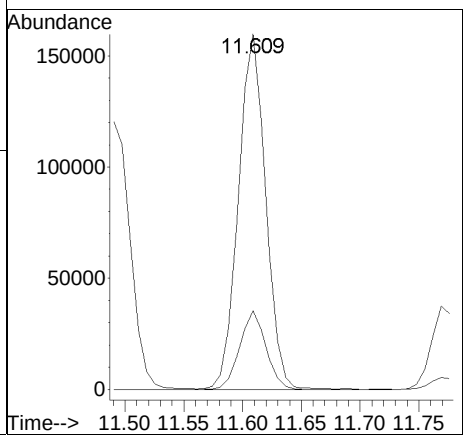


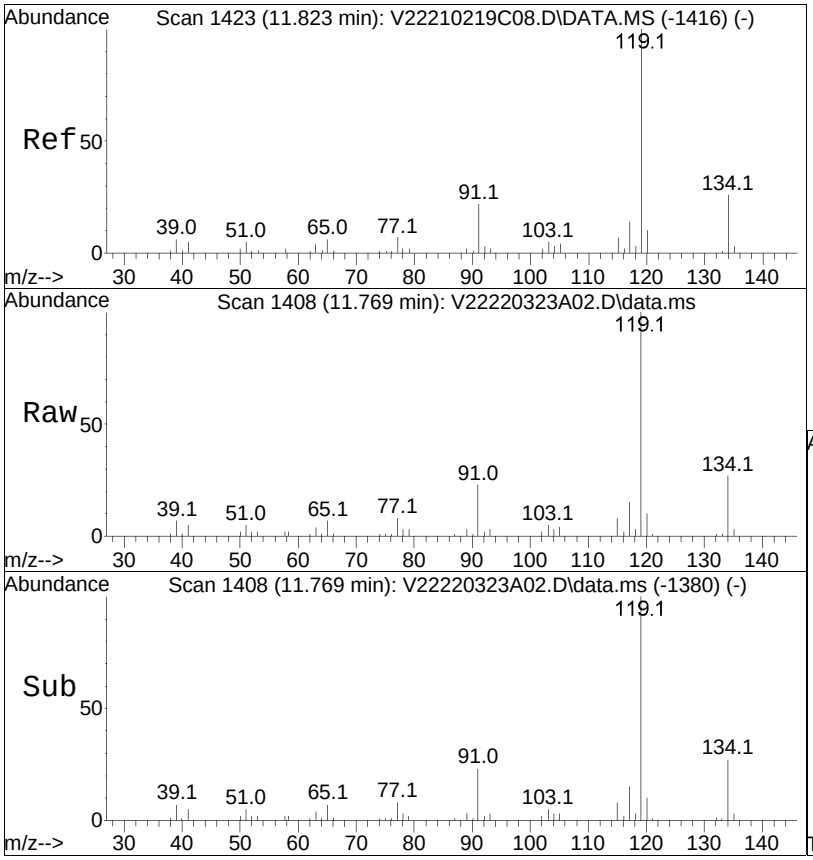


#102
sec-Butylbenzene
Concen: 9.85 ug/L
RT: 11.609 min Scan# 1385
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:105 Resp: 257976

Ion	Ratio	Lower	Upper
105	100		
134	21.1	13.9	28.9

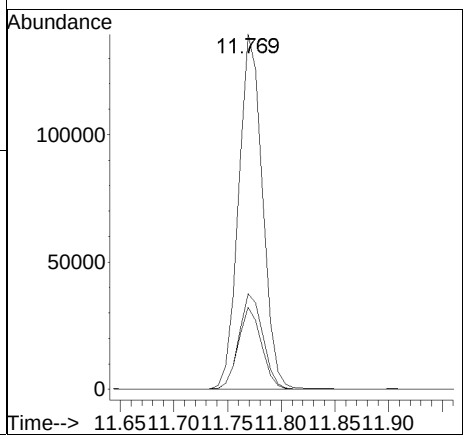


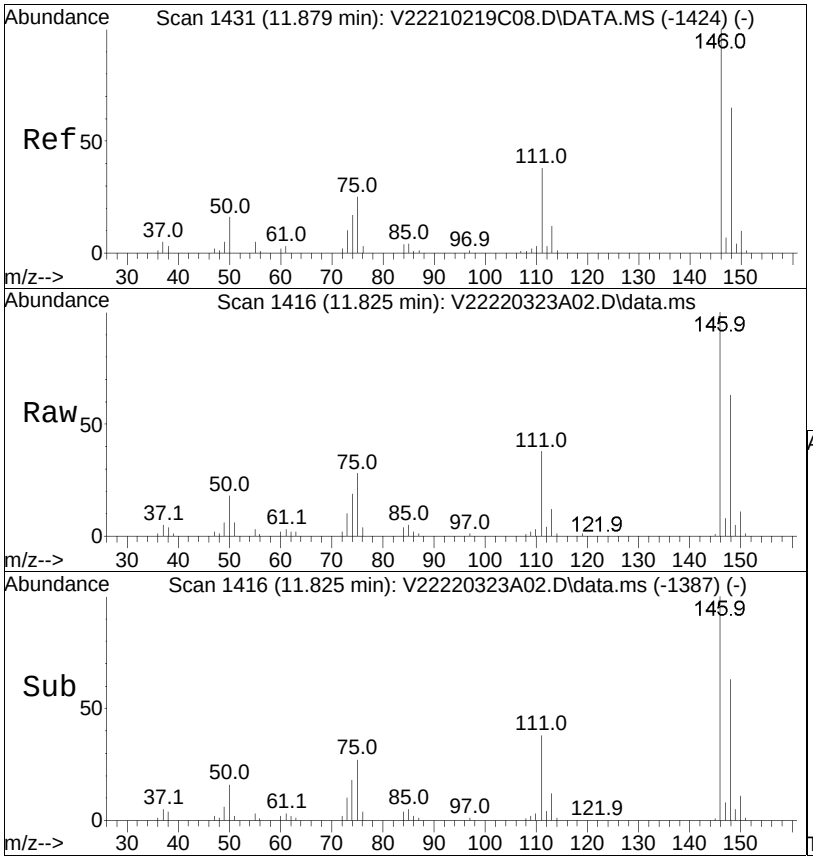


#103
p-Isopropyltoluene
Concen: 9.57 ug/L
RT: 11.769 min Scan# 1408
Delta R.T. -0.007 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:119 Resp: 216118

Ion	Ratio	Lower	Upper
119	100		
134	27.0	17.7	36.7
91	22.6	14.1	29.3

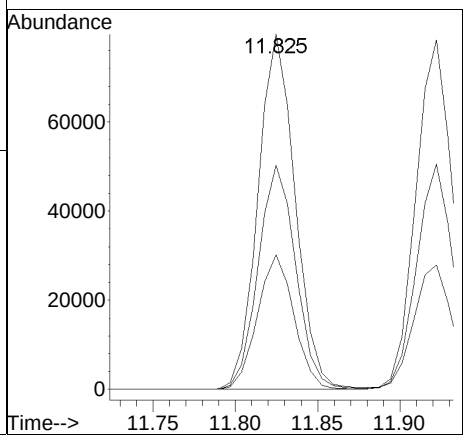


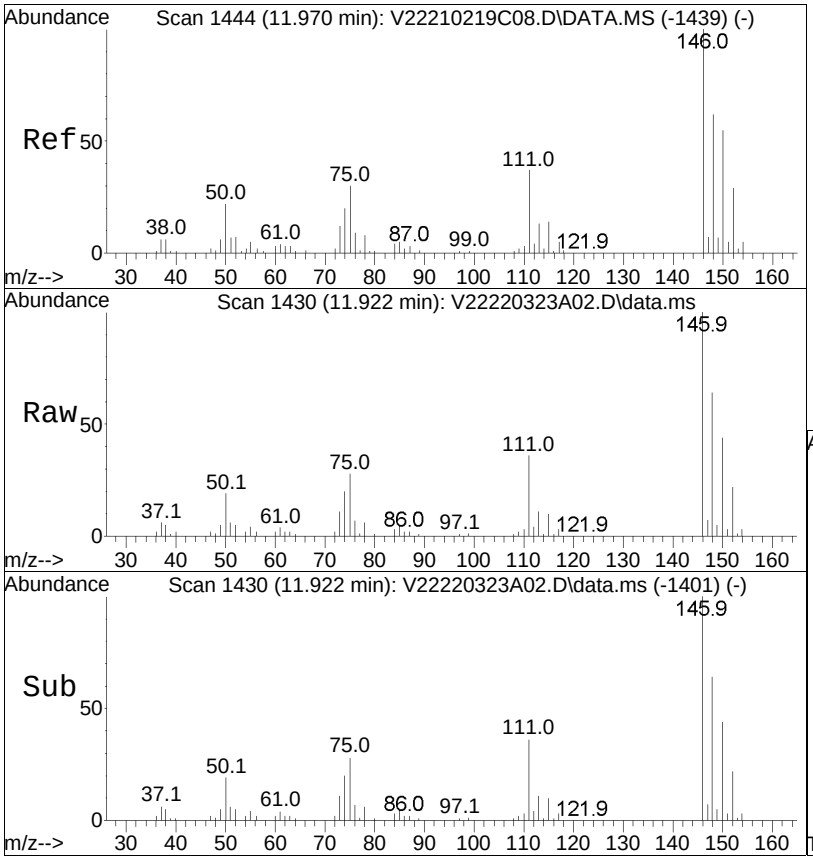


#104
1,3-Dichlorobenzene
Concen: 10.38 ug/L
RT: 11.825 min Scan# 1416
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:146 Resp: 125283

Ion	Ratio	Lower	Upper
146	100		
111	37.2	24.0	49.8
148	63.7	41.8	86.8

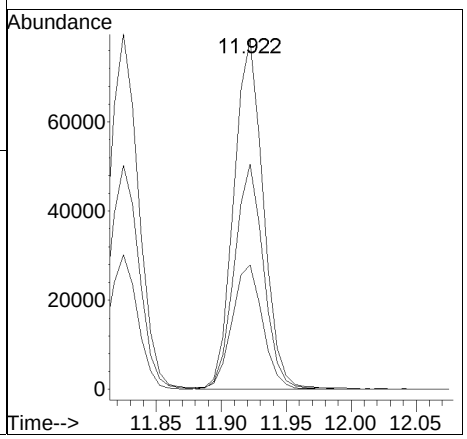


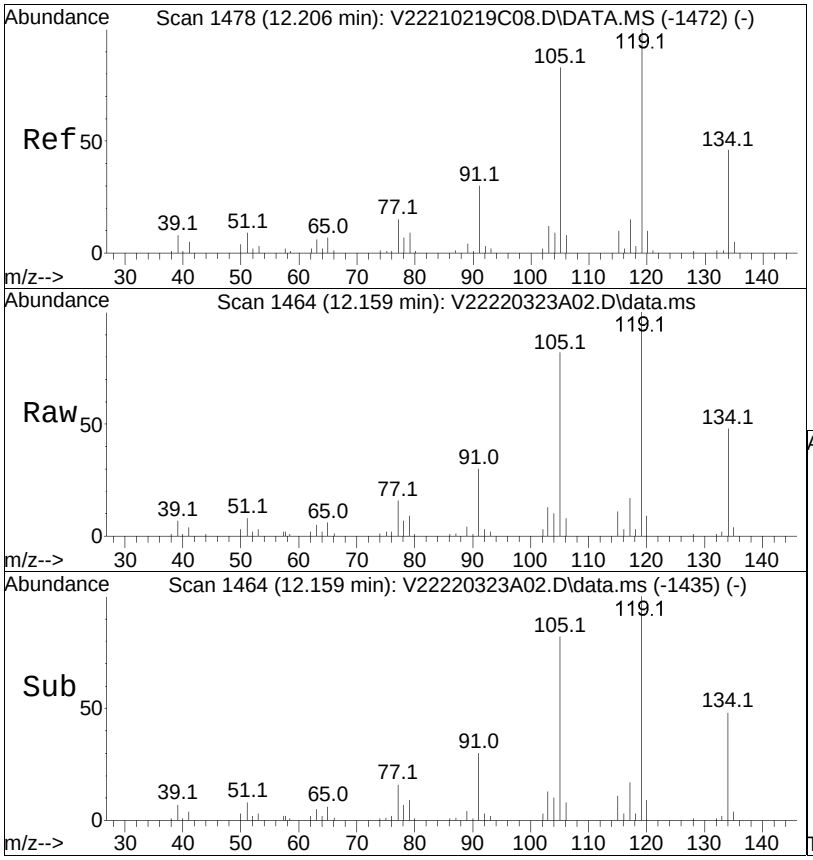


#105
1,4-Dichlorobenzene
Concen: 10.21 ug/L
RT: 11.922 min Scan# 1430
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:146 Resp: 124579

Ion	Ratio	Lower	Upper
146	100		
111	37.0	28.9	43.3
148	63.8	51.4	77.2

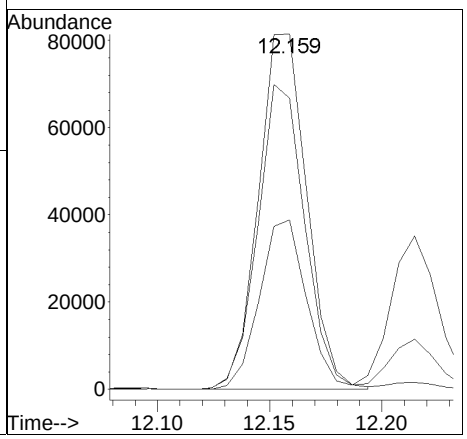


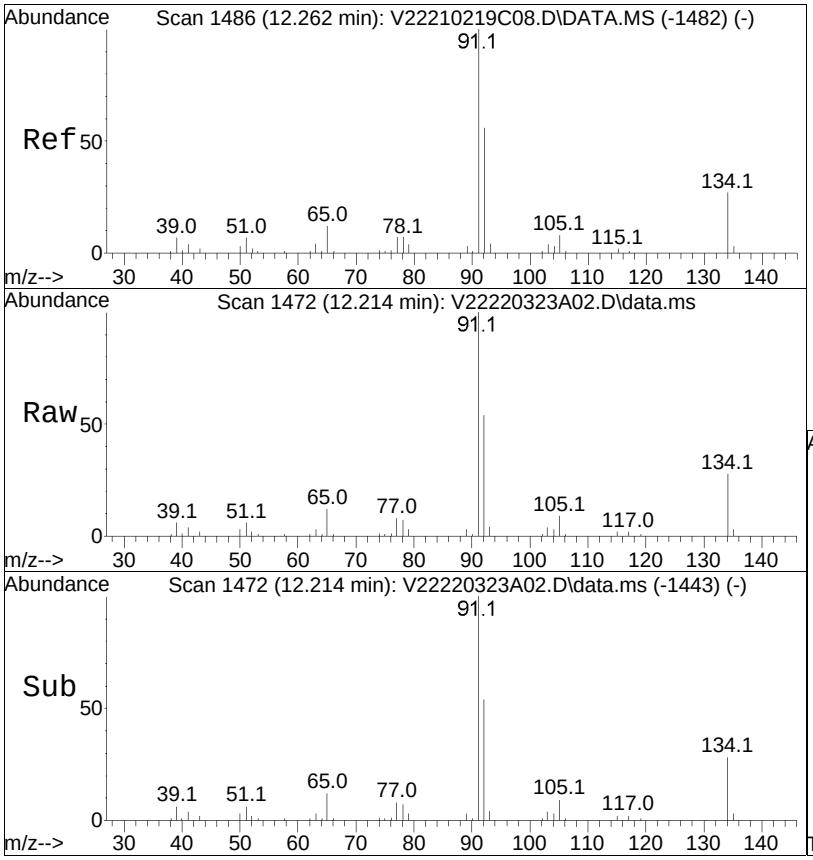


#106
p-Diethylbenzene
Concen: 9.32 ug/L
RT: 12.159 min Scan# 1464
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:119 Resp: 122407

Ion	Ratio	Lower	Upper
119	100		
105	83.4	53.4	110.8
134	46.5	30.9	64.1

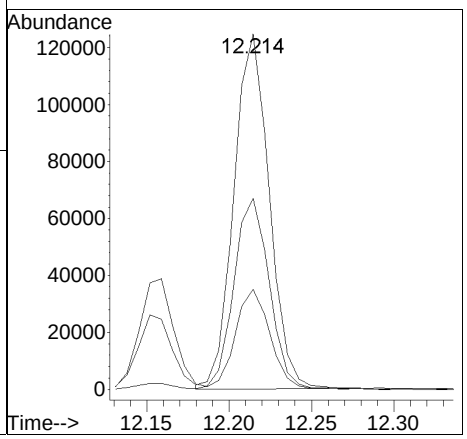


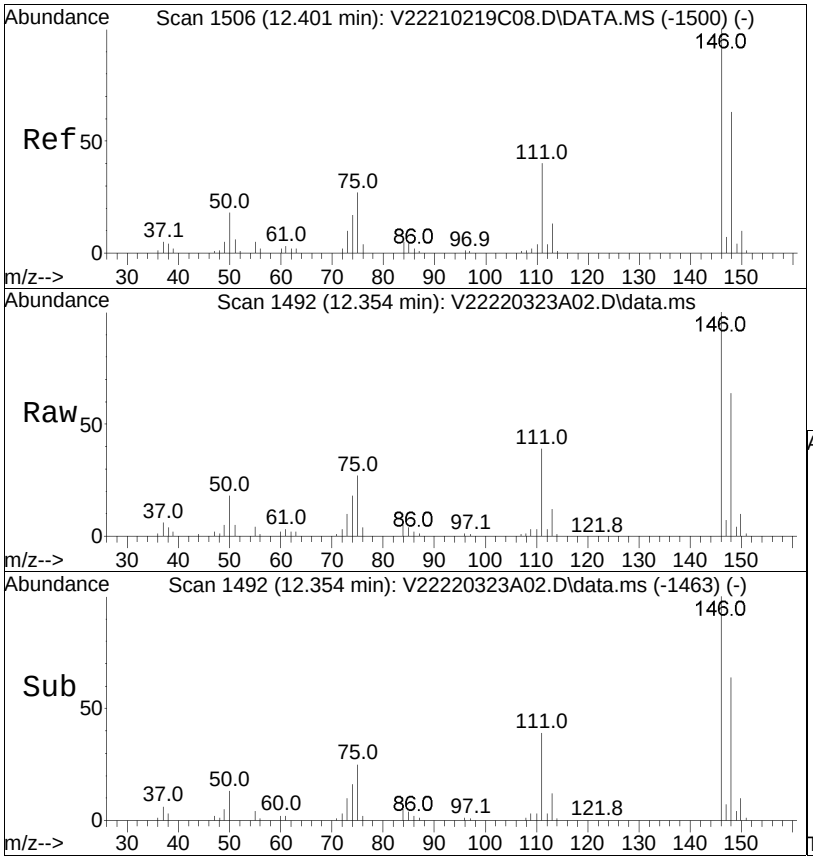


#107
n-Butylbenzene
Concen: 10.24 ug/L
RT: 12.214 min Scan# 1472
Delta R.T. -0.001 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion: 91 Resp: 186287

Ion	Ratio	Lower	Upper
91	100		
92	54.2	44.6	66.8
134	27.8	22.9	34.3

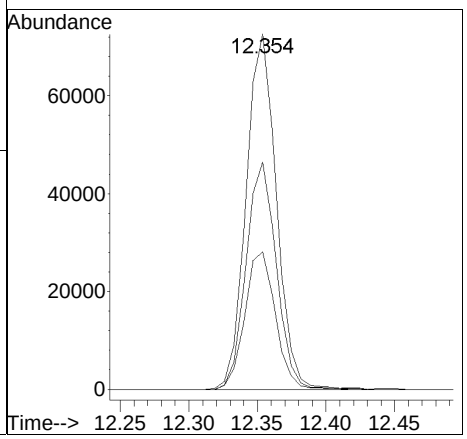


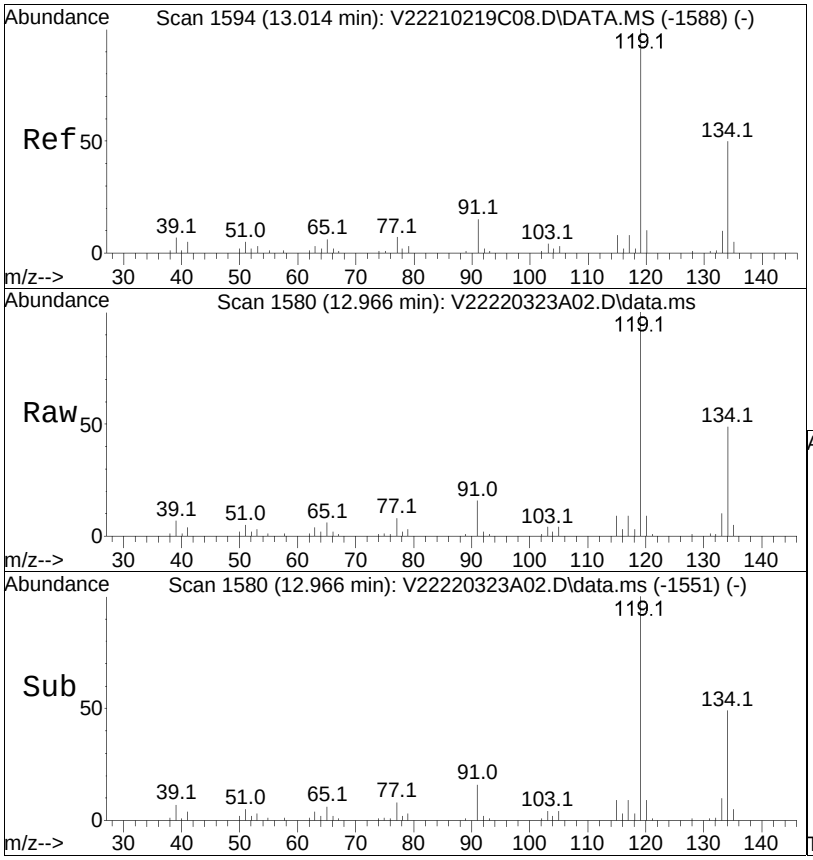


#108
1,2-Dichlorobenzene
Concen: 10.15 ug/L
RT: 12.354 min Scan# 1492
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:146 Resp: 111578

Ion	Ratio	Lower	Upper
146	100		
111	39.2	24.8	51.6
148	63.9	42.2	87.6

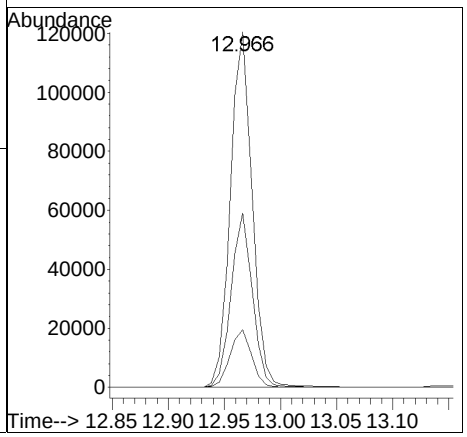


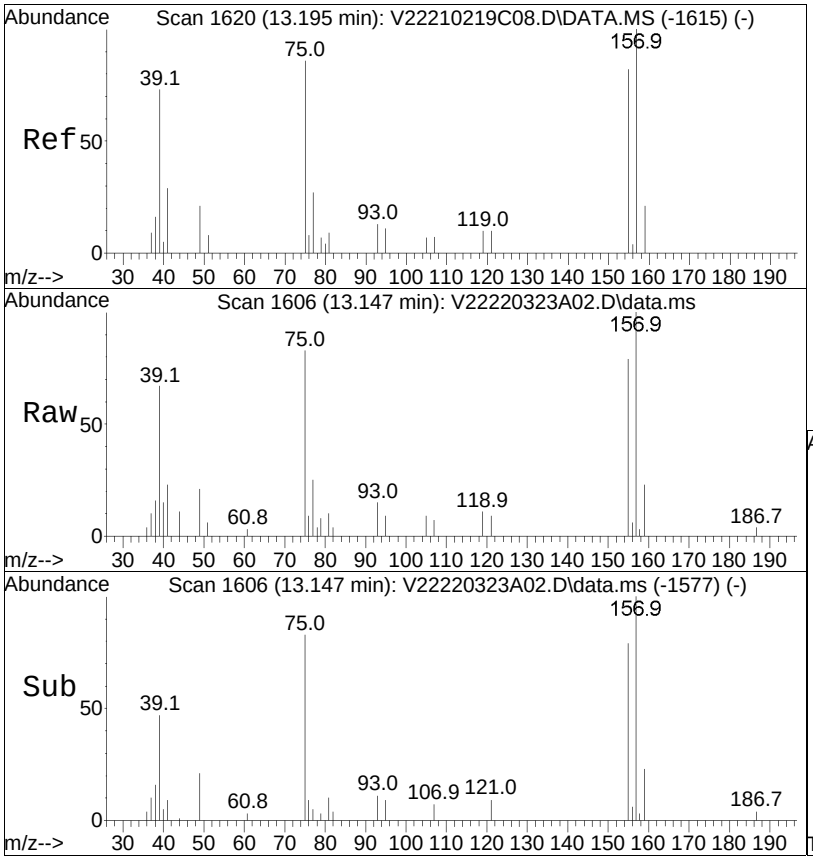


#109
1,2,4,5-Tetramethylbenzene
Concen: 8.47 ug/L
RT: 12.966 min Scan# 1580
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:119 Resp: 162972

Ion	Ratio	Lower	Upper
119	100		
134	47.9	31.9	66.1
91	16.2	9.8	20.3

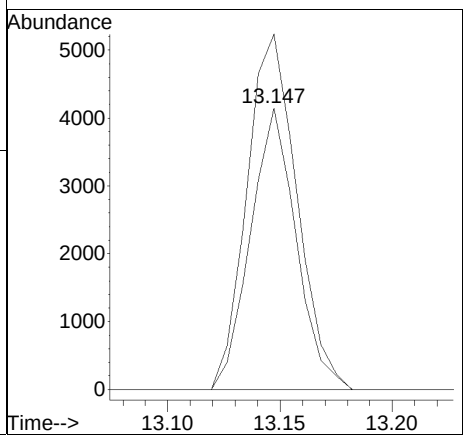


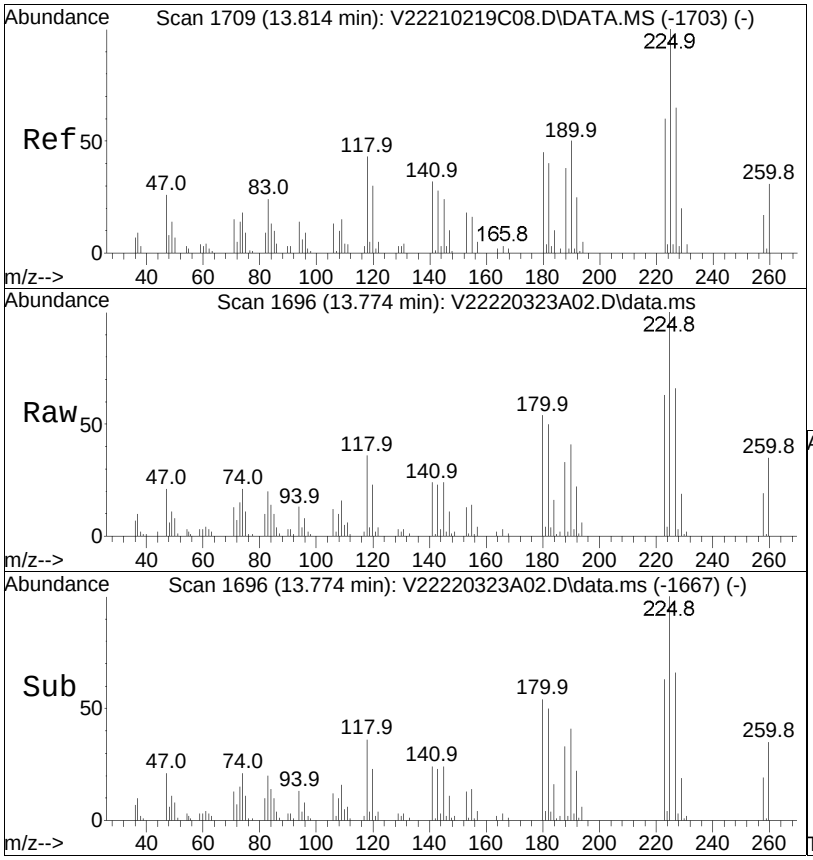


#110
1,2-Dibromo-3-chloropropane
Concen: 8.57 ug/L
RT: 13.147 min Scan# 1606
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:155 Resp: 5867

Ion	Ratio	Lower	Upper
155	100		
157	138.2	102.3	153.5

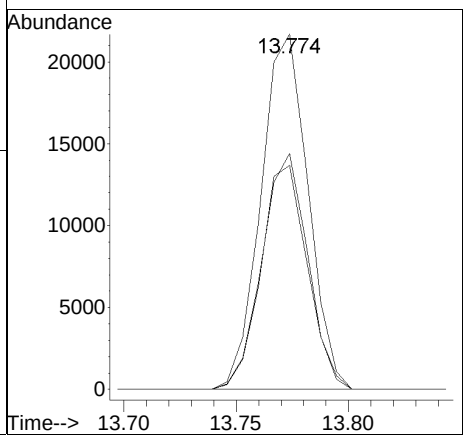


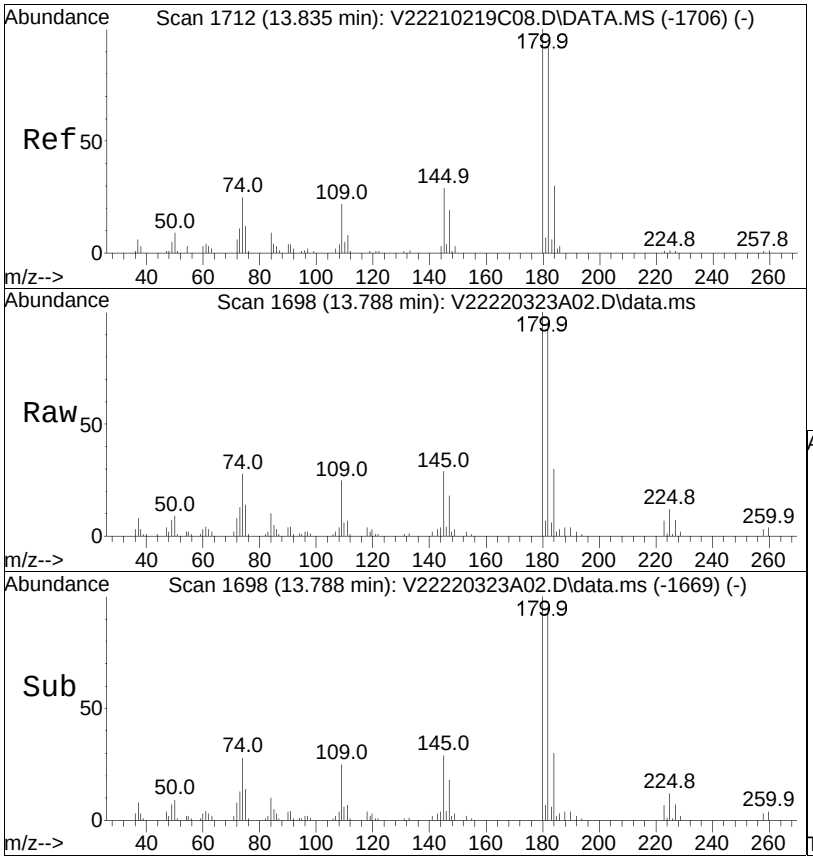


#112
Hexachlorobutadiene
Concen: 12.27 ug/L
RT: 13.774 min Scan# 1696
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:225 Resp: 31677

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.8	74.8
227	64.4	52.2	78.4

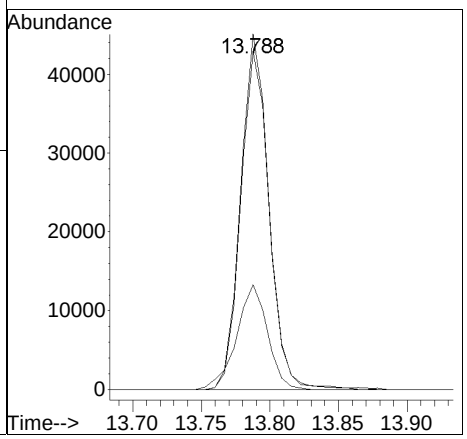


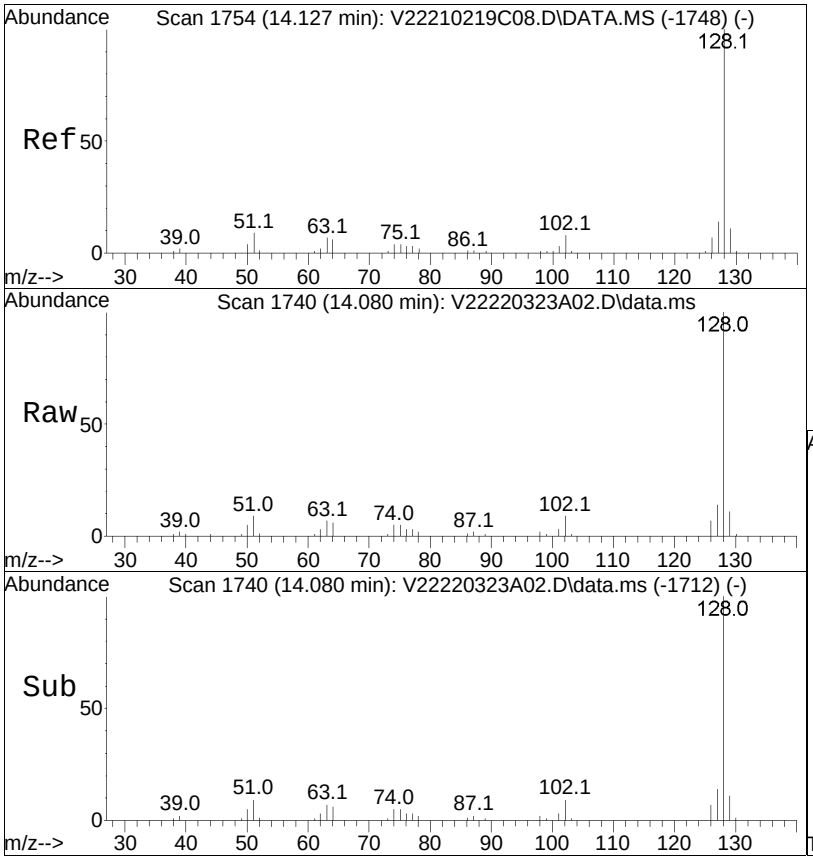


#113
1,2,4-Trichlorobenzene
Concen: 10.09 ug/L
RT: 13.788 min Scan# 1698
Delta R.T. -0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:180 Resp: 64445

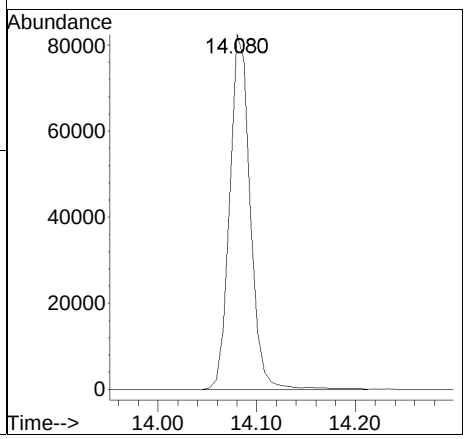
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.6	114.8
145	32.3	25.5	38.3

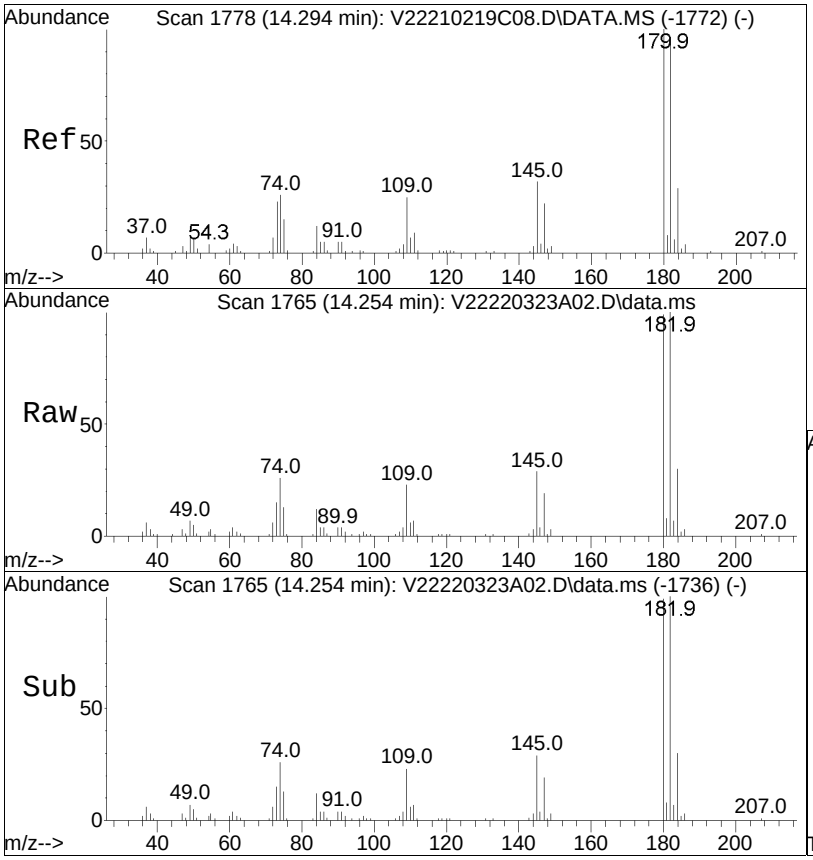




#114
Naphthalene
Concen: 8.24 ug/L
RT: 14.080 min Scan# 1740
Delta R.T. -0.007 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:128 Resp: 119318

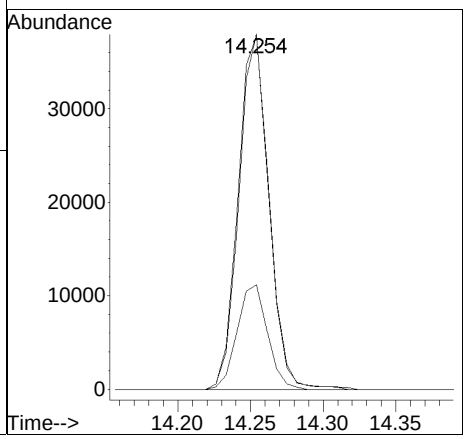




#115
1,2,3-Trichlorobenzene
Concen: 10.21 ug/L
RT: 14.254 min Scan# 1765
Delta R.T. 0.000 min
Lab File: V22220323A02.D
Acq: 23 Mar 2022 09:48 am

Tgt Ion:180 Resp: 56031

Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.0	114.0
145	29.0	23.8	35.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2	QMethod	: V122_220128N_8260D.m
Data File	: V22220323A02.D	Operator	: VOA122:PD
Date Inj'd	: 3/23/2022 9:48 am	Instrument	: VOA122
Sample	: WG1619277-4,31,10,10	Quant Date	: 3/23/2022 10:08 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A02.D
Acq On : 24 Mar 2022 7:22 am
Operator : ELAINE:PD
Sample : WG1619786-4,31,10,10
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 08:08:27 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.312	96	184149	10.000	ug/L	0.00
Standard Area 1 = 180008			Recovery = 102.30%			
59) Chlorobenzene-d5	8.386	117	135986	10.000	ug/L	0.00
Standard Area 1 = 131992			Recovery = 103.03%			
79) 1,4-Dichlorobenzene-d4	9.894	152	73040	10.000	ug/L	0.00
Standard Area 1 = 68168			Recovery = 107.15%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.296	113	46364	10.268	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.68%			
43) 1,2-Dichloroethane-d4	4.958	65	57231	10.679	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.79%			
60) Toluene-d8	7.042	98	177716	9.970	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.70%			
83) 4-Bromofluorobenzene	9.221	95	67724	9.739	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.39%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.896	85	26228	8.945	ug/L	98
3) Chloromethane	1.010	50	41605	9.974	ug/L	97
4) Vinyl chloride	1.060	62	36635	9.492	ug/L	98
5) Bromomethane	1.252	94	15704	11.606	ug/L	97
6) Chloroethane	1.330	64	16678	9.508	ug/L	100
7) Trichlorofluoromethane	1.419	101	40082	9.438	ug/L	98
8) Ethyl ether	1.642	74	15020	9.682	ug/L	92
10) 1,1-Dichloroethene	1.767	96	25169	9.331	ug/L	85
11) Carbon disulfide	1.773	76	59334	9.336	ug/L	96
15) Methylene chloride	2.229	84	31280	9.283	ug/L	88
17) Acetone	2.282	43	9782	12.272	ug/L	93
18) trans-1,2-Dichloroethene	2.365	96	26053	9.055	ug/L	94
20) Methyl tert-butyl ether	2.482	73	61845	9.043	ug/L #	83
23) 1,1-Dichloroethane	2.969	63	60128	9.405	ug/L	95
25) Acrylonitrile	3.041	53	11111	10.550	ug/L	97
27) Vinyl acetate	3.314	43	68188	8.976	ug/L #	89
28) cis-1,2-Dichloroethene	3.617	96	33497	10.092	ug/L	79
29) 2,2-Dichloropropane	3.745	77	36298	9.725	ug/L #	63
30) Bromochloromethane	3.882	128	15397	10.116	ug/L	90
32) Chloroform	4.046	83	51238	9.478	ug/L	95

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A02.D
Acq On : 24 Mar 2022 7:22 am
Operator : ELAINE:PD
Sample : WG1619786-4,31,10,10
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 08:08:27 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	4.163	117	35753	9.212	ug/L		98
37) 1,1,1-Trichloroethane	4.263	97	41942	9.500	ug/L	#	97
39) 2-Butanone	4.502	43	9927	8.647	ug/L	#	87
40) 1,1-Dichloropropene	4.449	75	35808	9.075	ug/L		94
41) Benzene	4.769	78	118004	9.335	ug/L		98
44) 1,2-Dichloroethane	5.045	62	43858	10.080	ug/L		98
48) Trichloroethene	5.509	95	28182	9.156	ug/L		94
50) Dibromomethane	5.971	93	15801	9.597	ug/L		93
51) 1,2-Dichloropropane	6.082	63	35149	9.814	ug/L	#	93
54) Bromodichloromethane	6.199	83	39119	9.709	ug/L		96
57) 1,4-Dioxane	6.427	88	9677	556.795	ug/L		98
58) cis-1,3-Dichloropropene	6.867	75	40582	8.808	ug/L		92
61) Toluene	7.092	92	75086	9.360	ug/L		95
62) 4-Methyl-2-pentanone	7.524	58	8041	8.261	ug/L	#	69
63) Tetrachloroethene	7.460	166	27532	9.147	ug/L		89
65) trans-1,3-Dichloropropene	7.543	75	34875	9.255	ug/L		87
68) 1,1,2-Trichloroethane	7.677	83	18951	9.363	ug/L		96
69) Chlorodibromomethane	7.816	129	25449	9.086	ug/L		95
70) 1,3-Dichloropropane	7.894	76	41068	9.159	ug/L		97
71) 1,2-Dibromoethane	7.974	107	21571	8.758	ug/L		98
72) 2-Hexanone	8.230	43	16216	9.846	ug/L	#	89
73) Chlorobenzene	8.397	112	80553	9.444	ug/L		91
74) Ethylbenzene	8.439	91	136742	9.710	ug/L		99
75) 1,1,1,2-Tetrachloroethane	8.458	131	24633	8.786	ug/L		94
76) p/m Xylene	8.547	106	107106	19.833	ug/L		97
77) o Xylene	8.837	106	104164	19.544	ug/L		92
78) Styrene	8.876	104	174978	20.463	ug/L		91
80) Bromoform	8.881	173	14931	8.753	ug/L		93
82) Isopropylbenzene	9.051	105	125682	8.908	ug/L		96
84) Bromobenzene	9.274	156	33933	9.385	ug/L		100
85) n-Propylbenzene	9.312	91	143141	8.915	ug/L		97
87) 1,1,2,2-Tetrachloroethane	9.371	83	26451	9.096	ug/L		96
88) 4-Ethyltoluene	9.382	105	120018	9.031	ug/L		96
89) 2-Chlorotoluene	9.396	91	110844	9.249	ug/L		94
90) 1,3,5-Trimethylbenzene	9.438	105	102379	9.064	ug/L		90
91) 1,2,3-Trichloropropane	9.438	75	22430	9.036	ug/L		98
92) trans-1,4-Dichloro-2-b...	9.474	53	9255	8.976	ug/L	#	81
93) 4-Chlorotoluene	9.499	91	101982	9.291	ug/L		95
94) tert-Butylbenzene	9.624	119	79546	8.793	ug/L		97

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A02.D
Acq On : 24 Mar 2022 7:22 am
Operator : ELAINE:PD
Sample : WG1619786-4,31,10,10
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 08:08:27 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220324A\VE220324A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.669	105	102539	8.898	ug/L	93
98)	sec-Butylbenzene	9.730	105	105648	8.808	ug/L	97
99)	p-Isopropyltoluene	9.819	119	90188	8.311	ug/L	97
100)	1,3-Dichlorobenzene	9.847	146	61725	9.509	ug/L	99
101)	1,4-Dichlorobenzene	9.902	146	63770	9.688	ug/L	98
102)	p-Diethylbenzene	10.028	119	49702	8.231	ug/L	93
103)	n-Butylbenzene	10.061	91	67306	7.988	ug/L	97
104)	1,2-Dichlorobenzene	10.144	146	60070	9.533	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.487	119	76843	7.988	ug/L	95
106)	1,2-Dibromo-3-chloropr...	10.601	155	3618	9.367	ug/L	93
108)	Hexachlorobutadiene	10.960	225	8628	8.459	ug/L	96
109)	1,2,4-Trichlorobenzene	10.973	180	30573	8.689	ug/L	99
110)	Naphthalene	11.154	128	74365	8.203	ug/L	100
111)	1,2,3-Trichlorobenzene	11.255	180	28222	8.719	ug/L	99

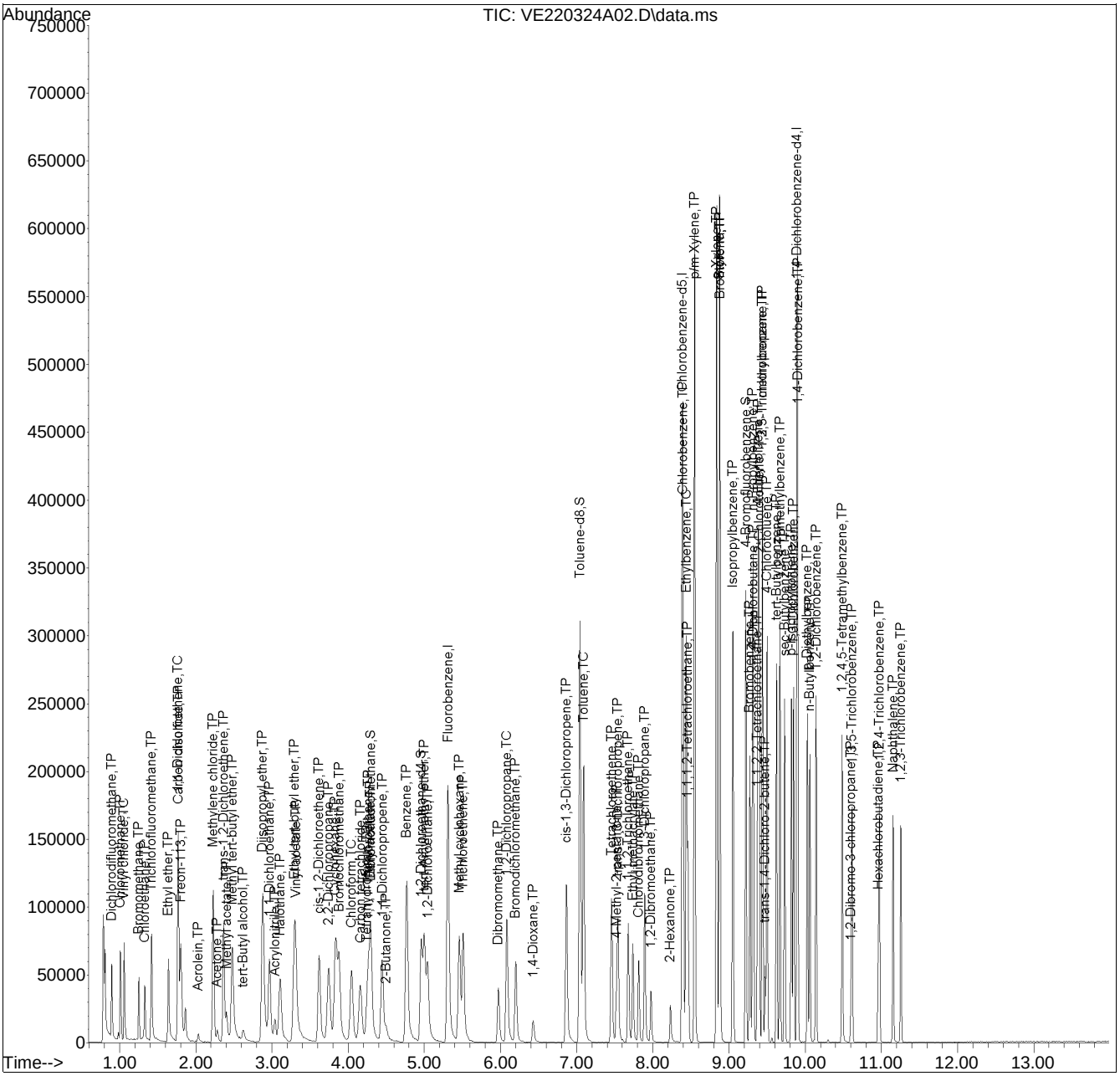
(#) = qualifier out of range (m) = manual integration (+) = signals summed

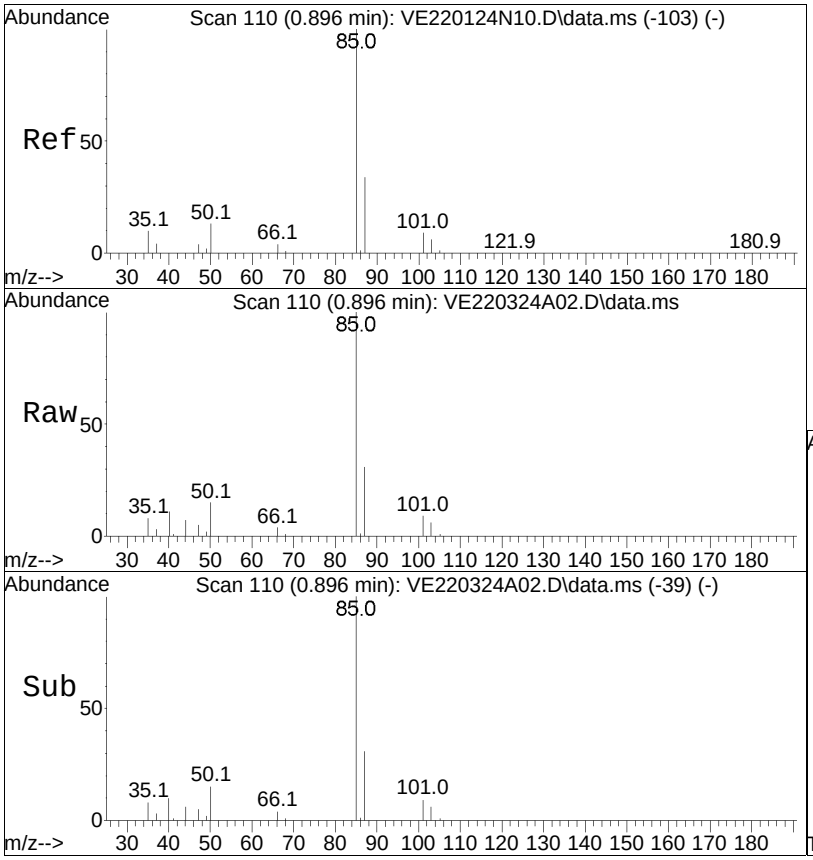
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220324A\
Data File : VE220324A02.D
Acq On : 24 Mar 2022 7:22 am
Operator : ELAINE:PD
Sample : WG1619786-4,31,10,10
Misc : WG1619786,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 24 08:08:27 2022
Quant Method : I:\VOLATILES\Elaine\2022\220324A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

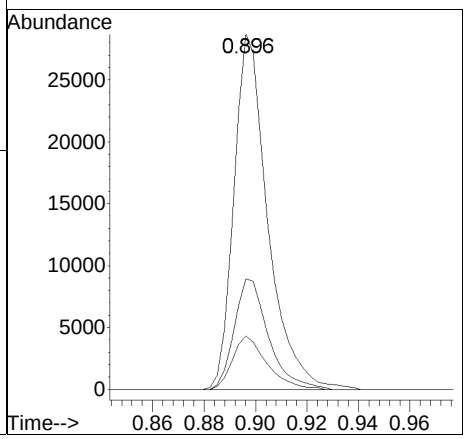


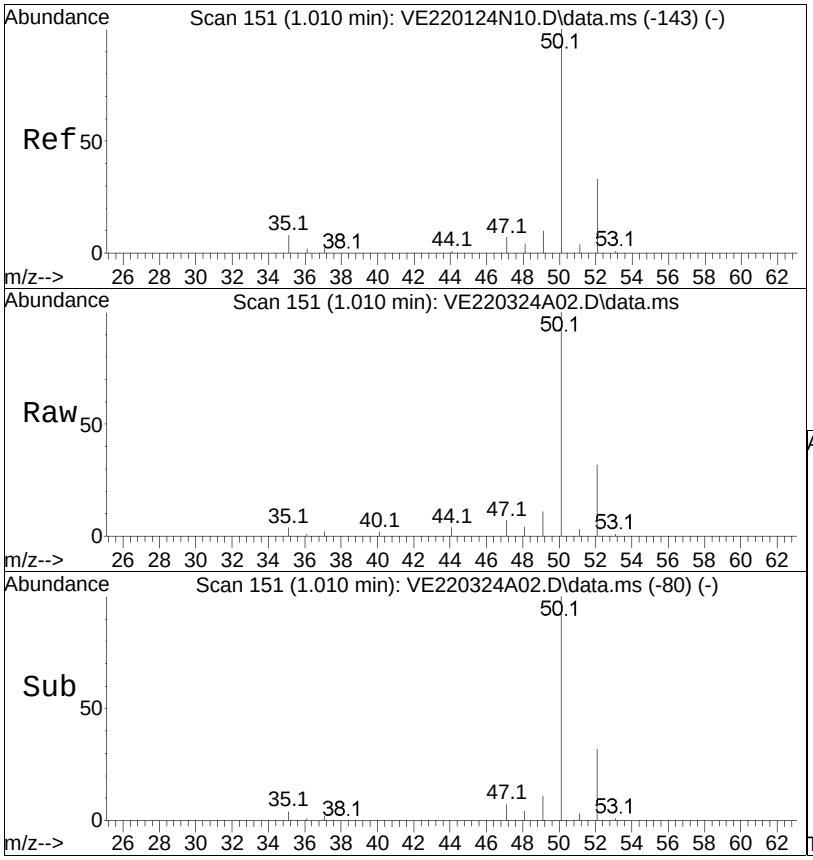


#2
Dichlorodifluoromethane
Concen: 8.95 ug/L
RT: 0.896 min Scan# 110
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 85 Resp: 26228

Ion	Ratio	Lower	Upper
85	100		
87	31.5	21.0	43.6
50	15.2	8.9	18.5

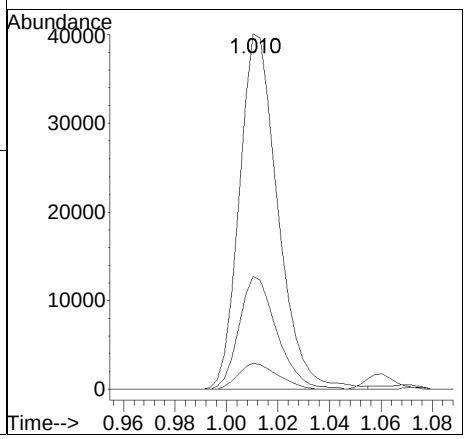


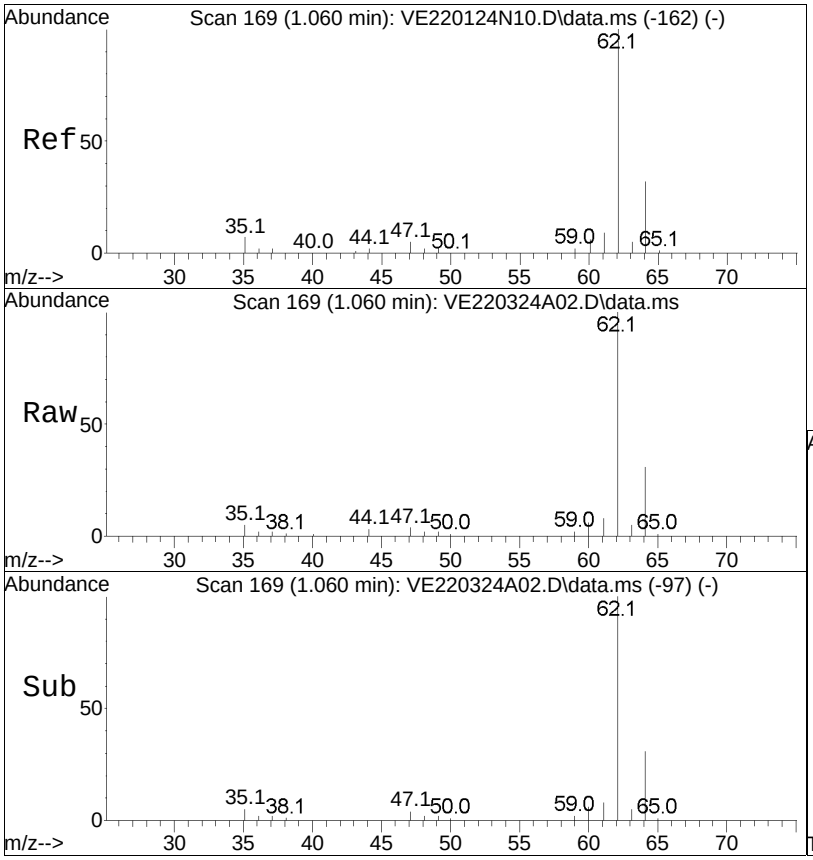


#3
Chloromethane
Concen: 9.97 ug/L
RT: 1.010 min Scan# 151
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 50 Resp: 41605

Ion	Ratio	Lower	Upper
50	100		
52	31.3	12.9	52.9
47	7.6	0.0	28.3

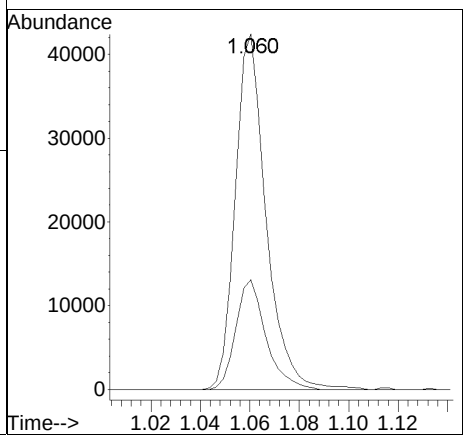


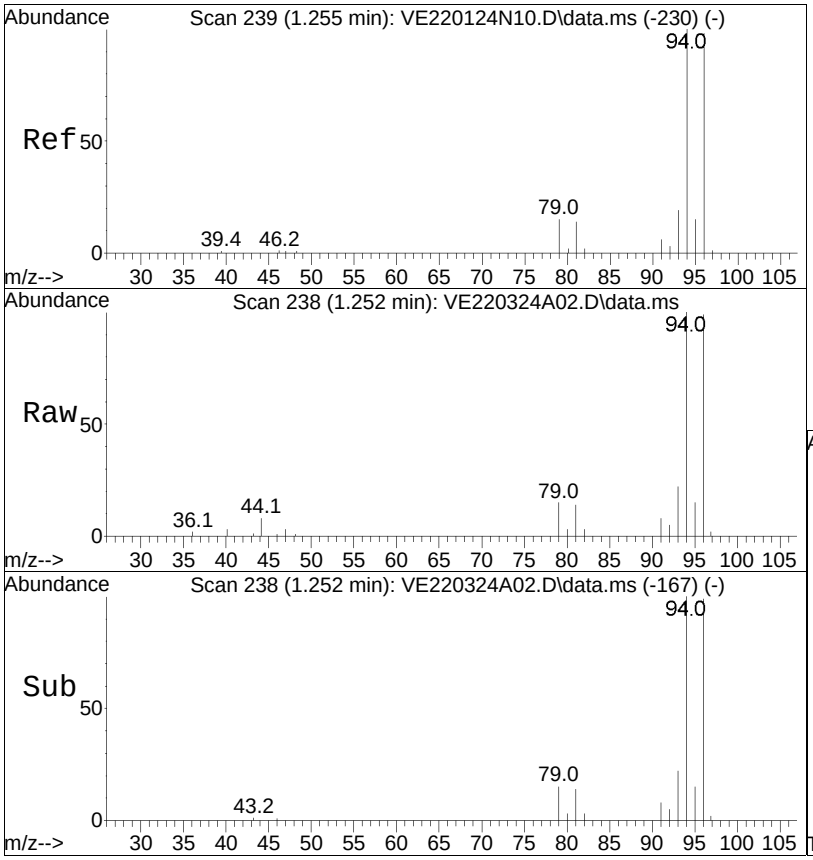


#4
Vinyl chloride
Concen: 9.49 ug/L
RT: 1.060 min Scan# 169
Delta R.T. 0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 62 Resp: 36635

Ion	Ratio	Lower	Upper
62	100		
64	30.2	9.1	49.1

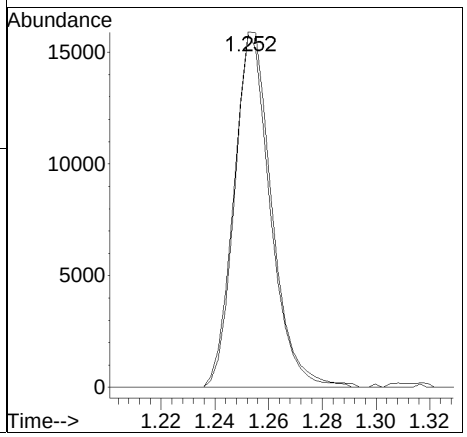


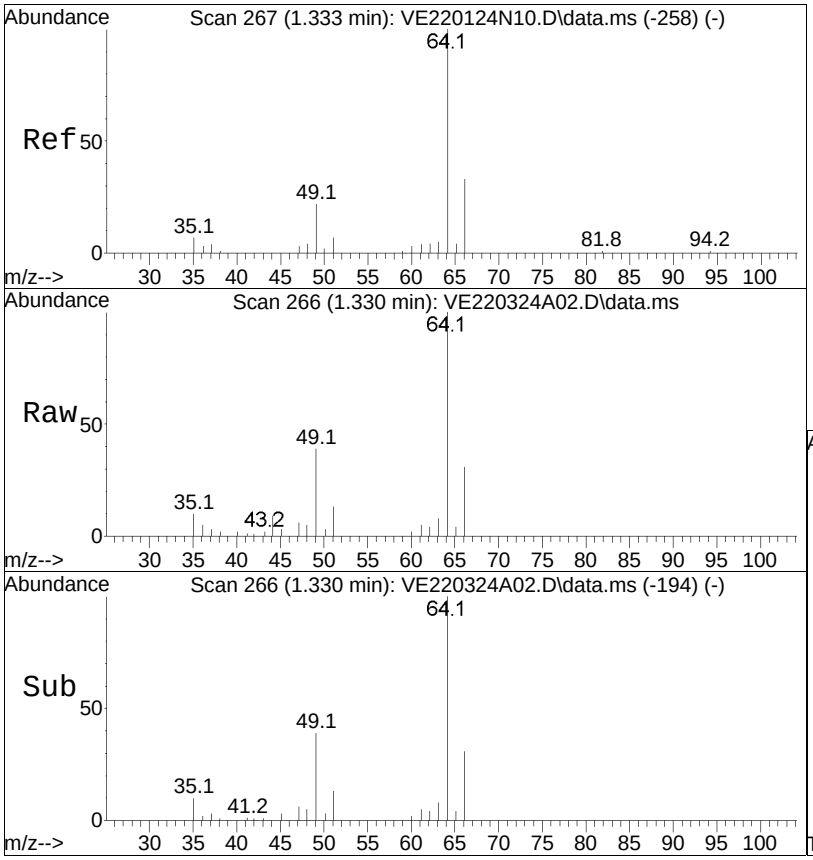


#5
Bromomethane
Concen: 11.61 ug/L
RT: 1.252 min Scan# 238
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 94 Resp: 15704

Ion	Ratio	Lower	Upper
94	100		
96	92.9	75.6	115.6

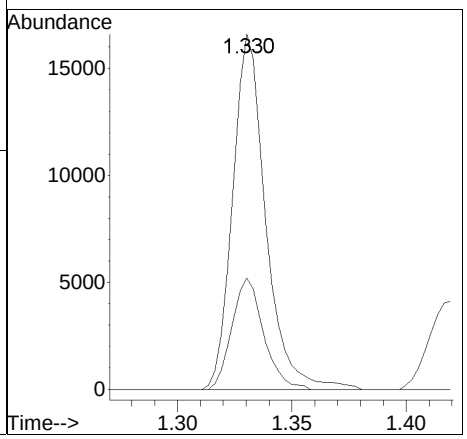


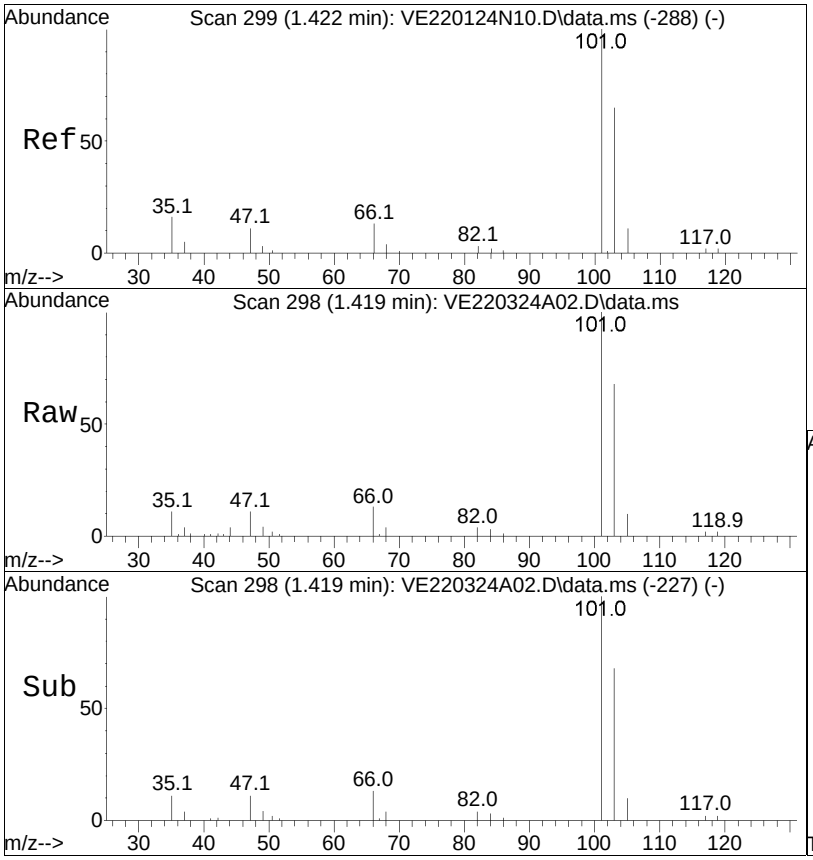


#6
Chloroethane
Concen: 9.51 ug/L
RT: 1.330 min Scan# 266
Delta R.T. 0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 64 Resp: 16678

Ion	Ratio	Lower	Upper
64	100		
66	30.0	9.8	49.8

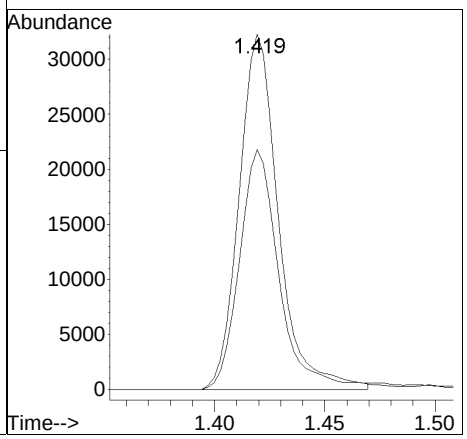


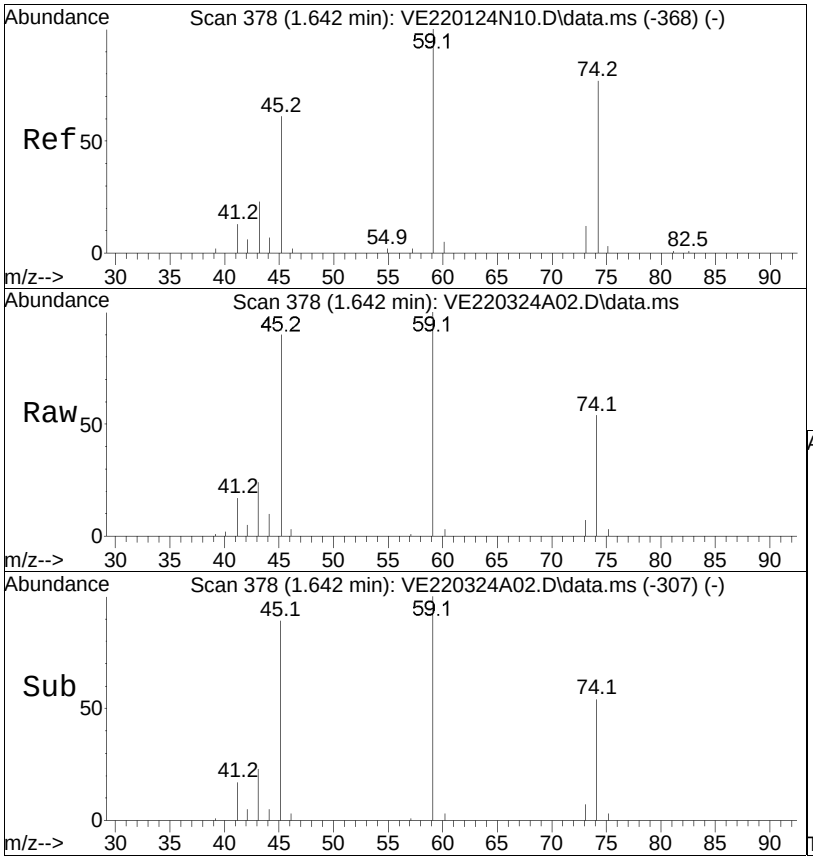


#7
Trichlorofluoromethane
Concen: 9.44 ug/L
RT: 1.419 min Scan# 298
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:101 Resp: 40082

Ion	Ratio	Lower	Upper
101	100		
103	68.7	53.8	80.6

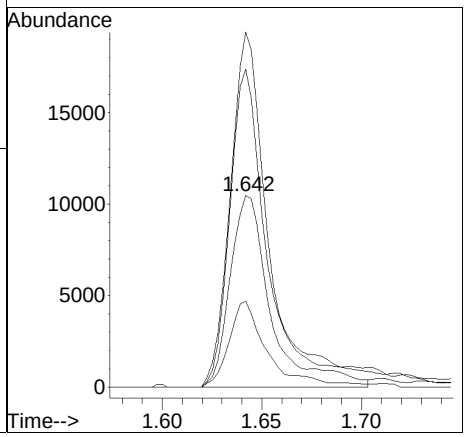


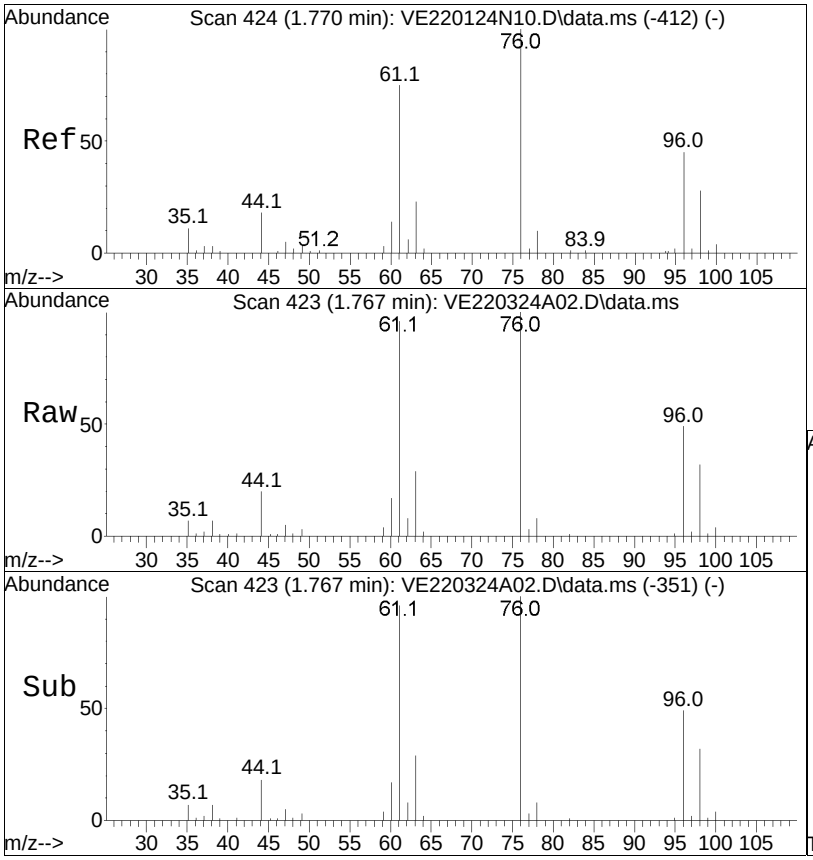


#8
Ethyl ether
Concen: 9.68 ug/L
RT: 1.642 min Scan# 378
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 74 Resp: 15020

Ion	Ratio	Lower	Upper
74	100		
59	182.5	122.2	253.8
45	159.2	91.9	190.9
43	41.3	25.2	52.2

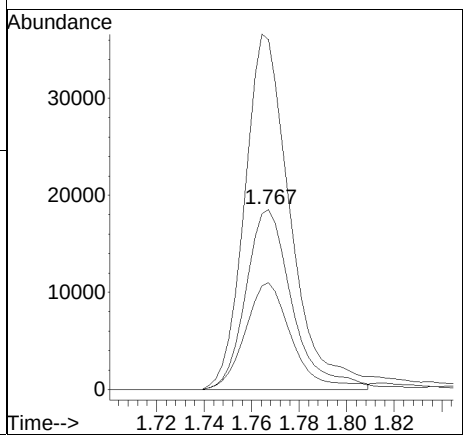


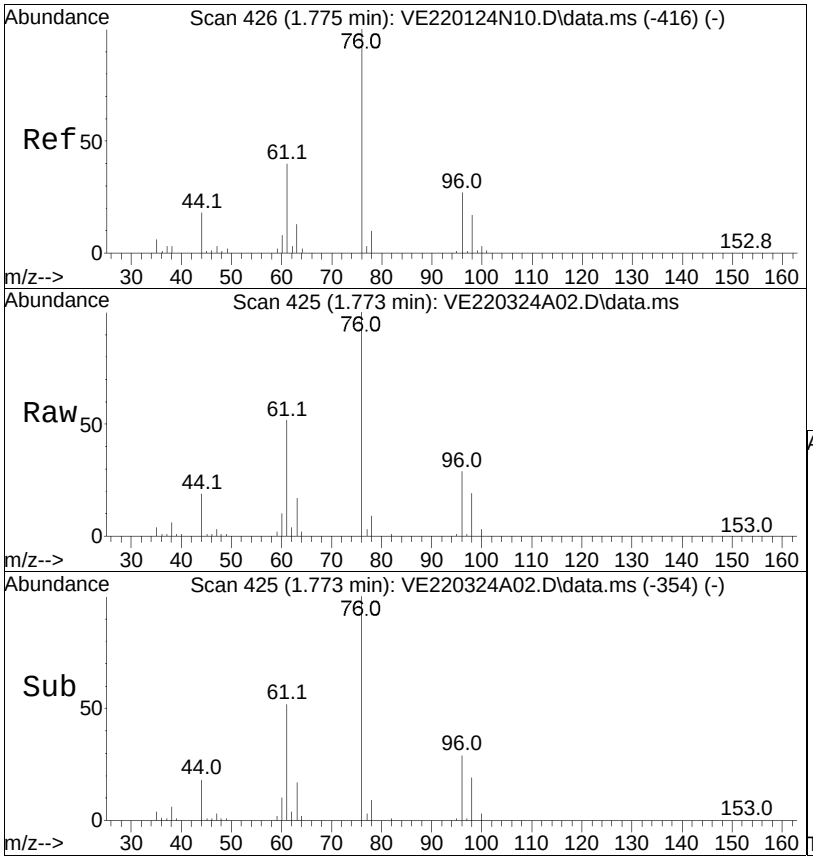


#10
1,1-Dichloroethene
Concen: 9.33 ug/L
RT: 1.767 min Scan# 423
Delta R.T. 0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 96 Resp: 25169

Ion	Ratio	Lower	Upper
96	100		
61	206.0	186.1	279.1
63	60.9	57.6	86.4

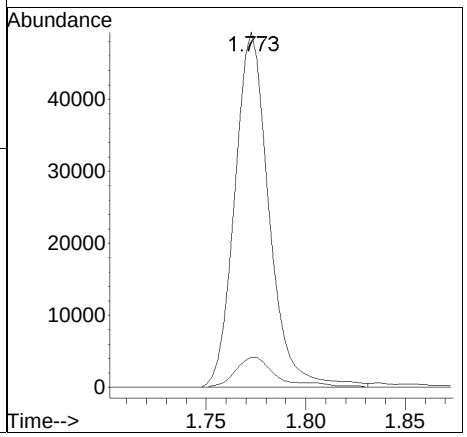


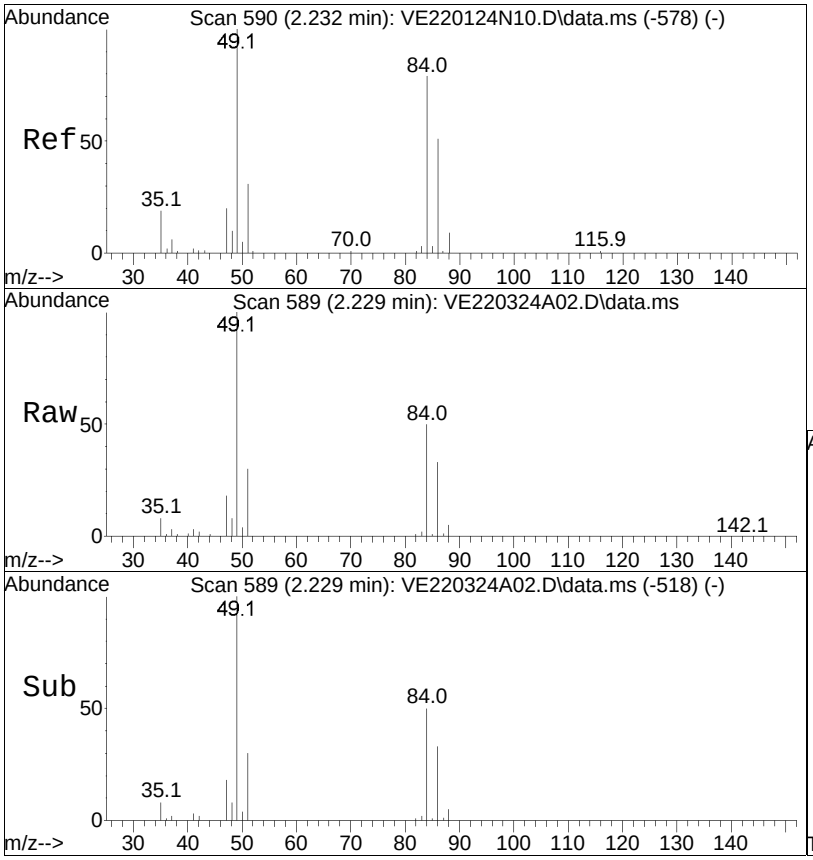


#11
Carbon disulfide
Concen: 9.34 ug/L
RT: 1.773 min Scan# 425
Delta R.T. -0.002 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 76 Resp: 59334

Ion	Ratio	Lower	Upper
76	100		
78	10.2	5.7	11.7

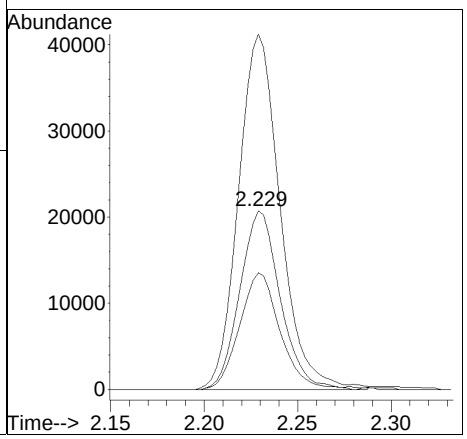


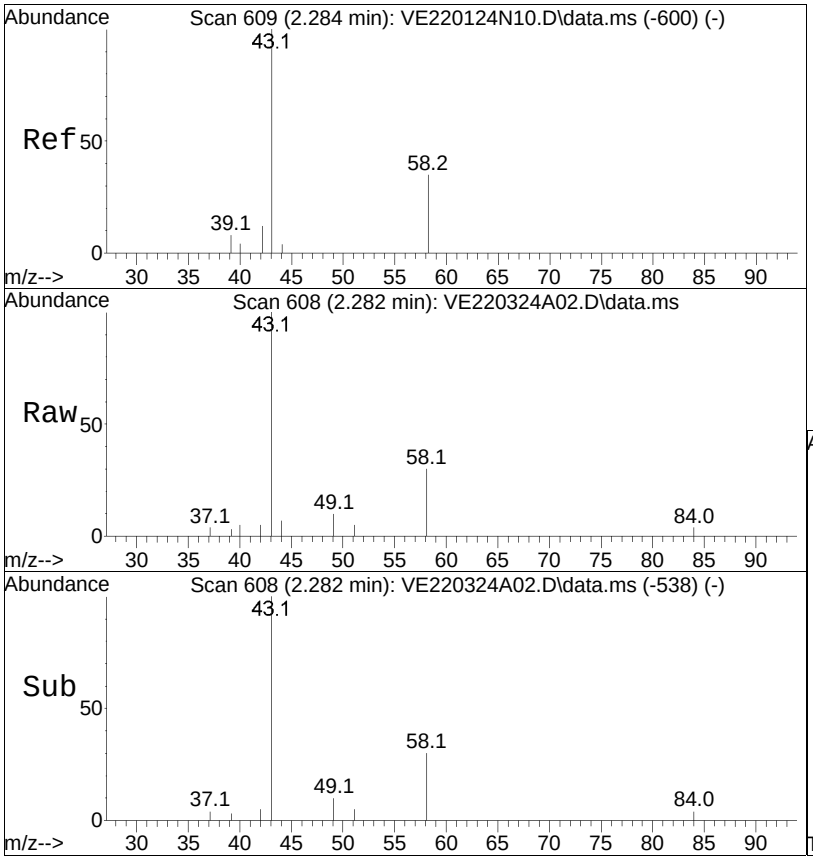


#15
Methylene chloride
Concen: 9.28 ug/L
RT: 2.229 min Scan# 589
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 84 Resp: 31280

Ion	Ratio	Lower	Upper
84	100		
86	64.8	40.4	83.8
49	206.0	120.0	249.2

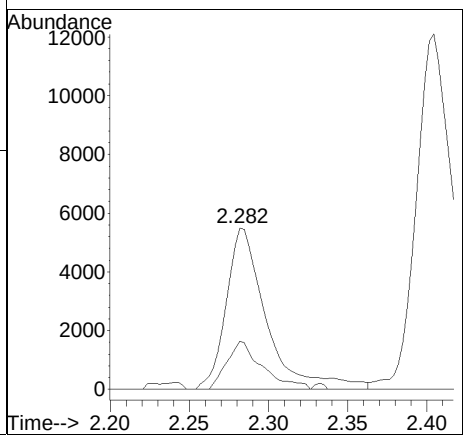


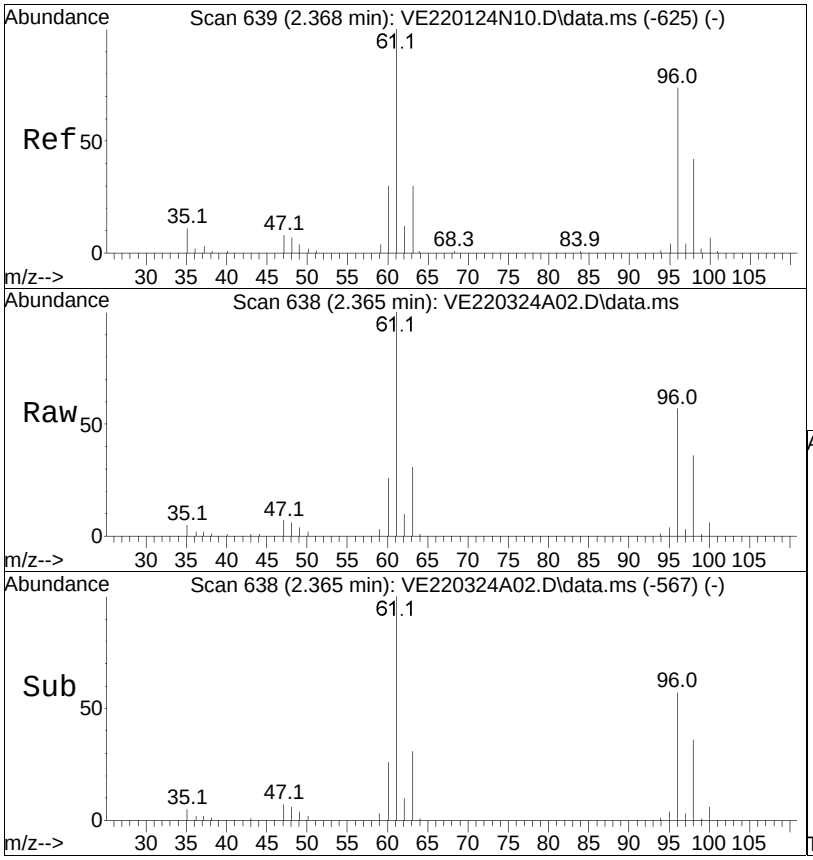


#17
Acetone
Concen: 12.27 ug/L
RT: 2.282 min Scan# 608
Delta R.T. -0.005 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 43 Resp: 9782

Ion	Ratio	Lower	Upper
43	100		
58	26.3	24.2	36.4

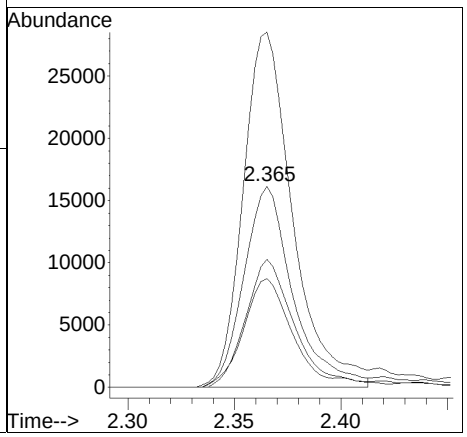


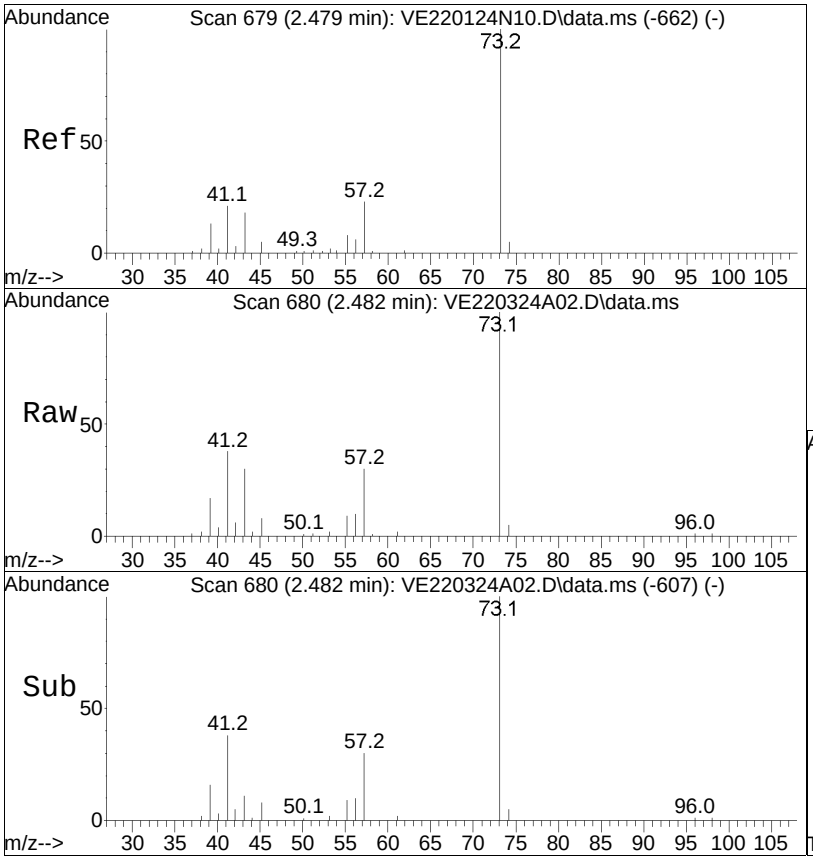


#18
trans-1,2-Dichloroethene
Concen: 9.06 ug/L
RT: 2.365 min Scan# 638
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 96 Resp: 26053

Ion	Ratio	Lower	Upper
96	100		
61	177.9	124.0	257.6
98	63.1	41.2	85.6
63	55.6	38.4	79.7

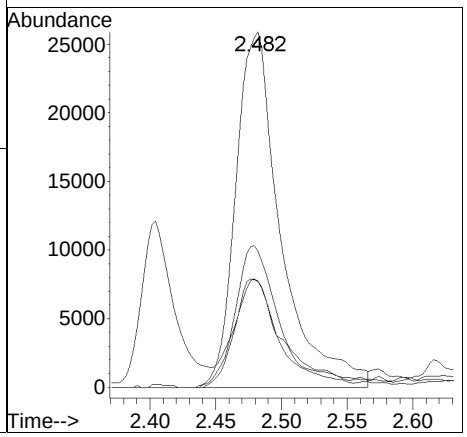


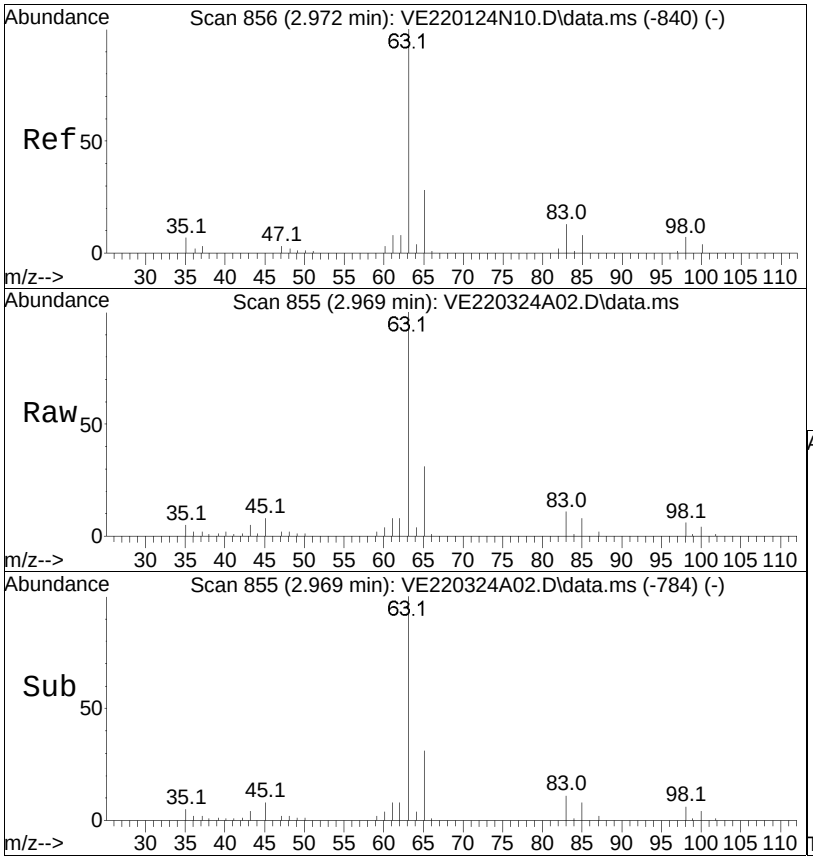


#20
Methyl tert-butyl ether
Concen: 9.04 ug/L
RT: 2.482 min Scan# 680
Delta R.T. 0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 73 Resp: 61845

Ion	Ratio	Lower	Upper
73	100		
57	30.6	17.5	36.3
43	28.4	15.3	31.9
41	41.0	15.3	31.7#

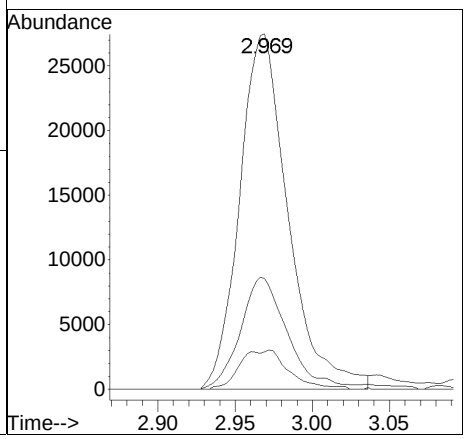


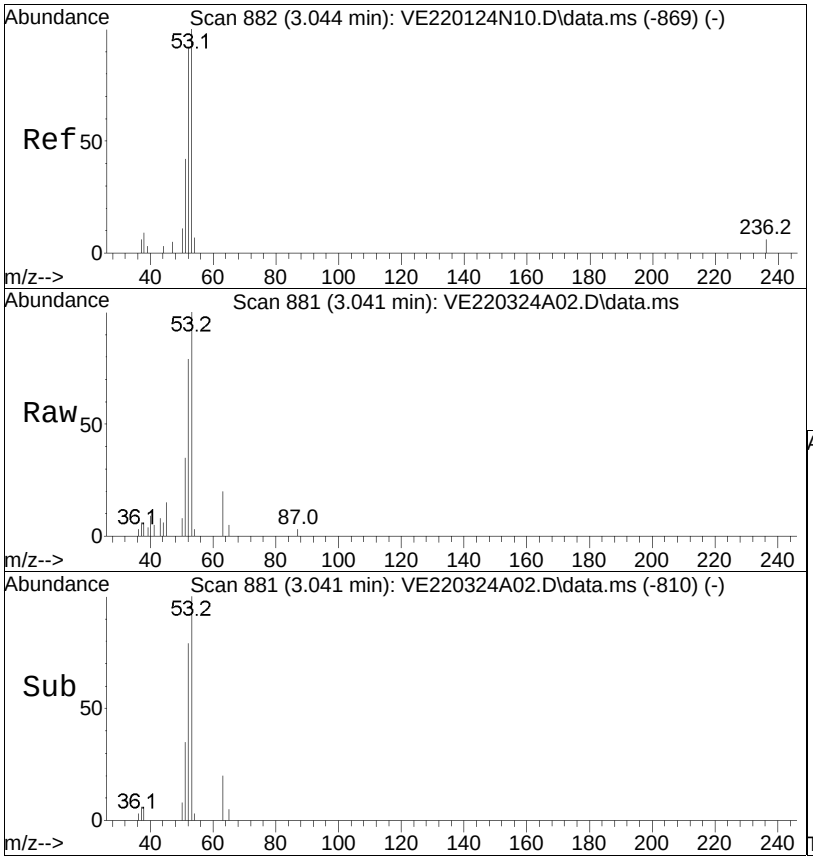


#23
1,1-Dichloroethane
Concen: 9.40 ug/L
RT: 2.969 min Scan# 855
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 63 Resp: 60128

Ion	Ratio	Lower	Upper
63	100		
65	30.6	11.0	51.0
83	5.2	0.0	31.8

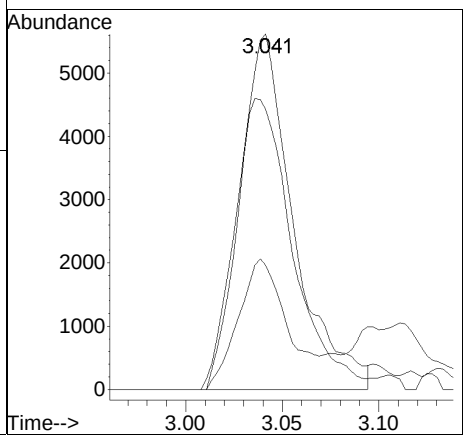


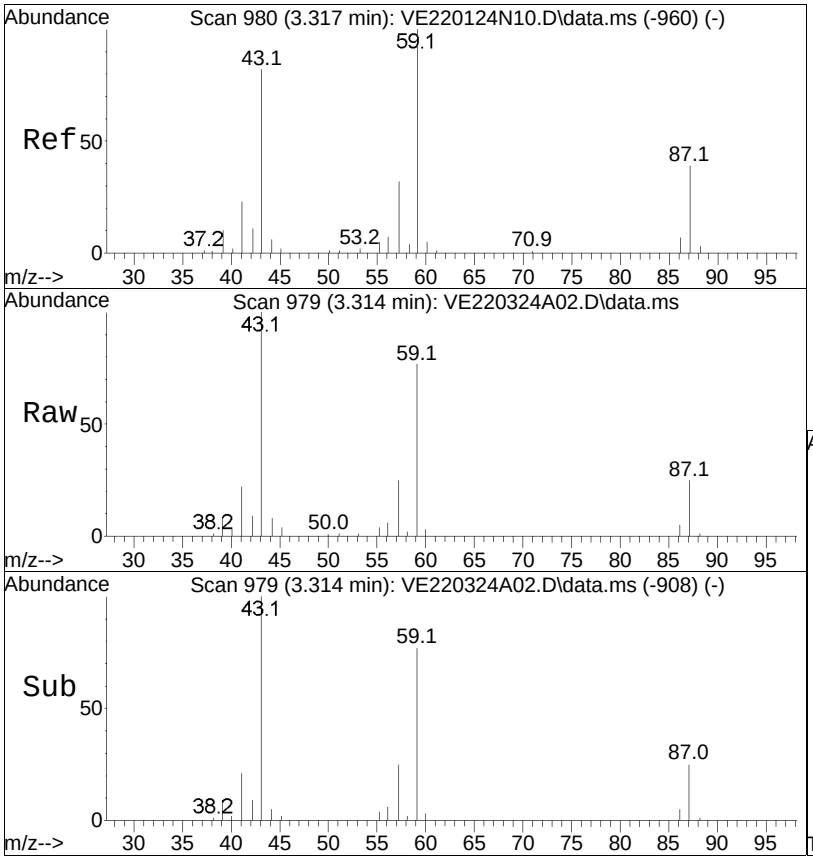


#25
Acrylonitrile
Concen: 10.55 ug/L
RT: 3.041 min Scan# 881
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 53 Resp: 11111

Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.7	100.1
51	32.9	30.6	46.0

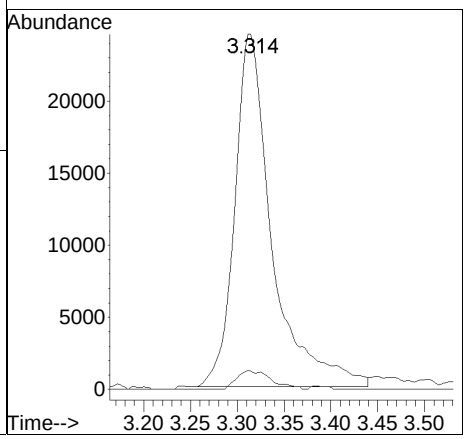


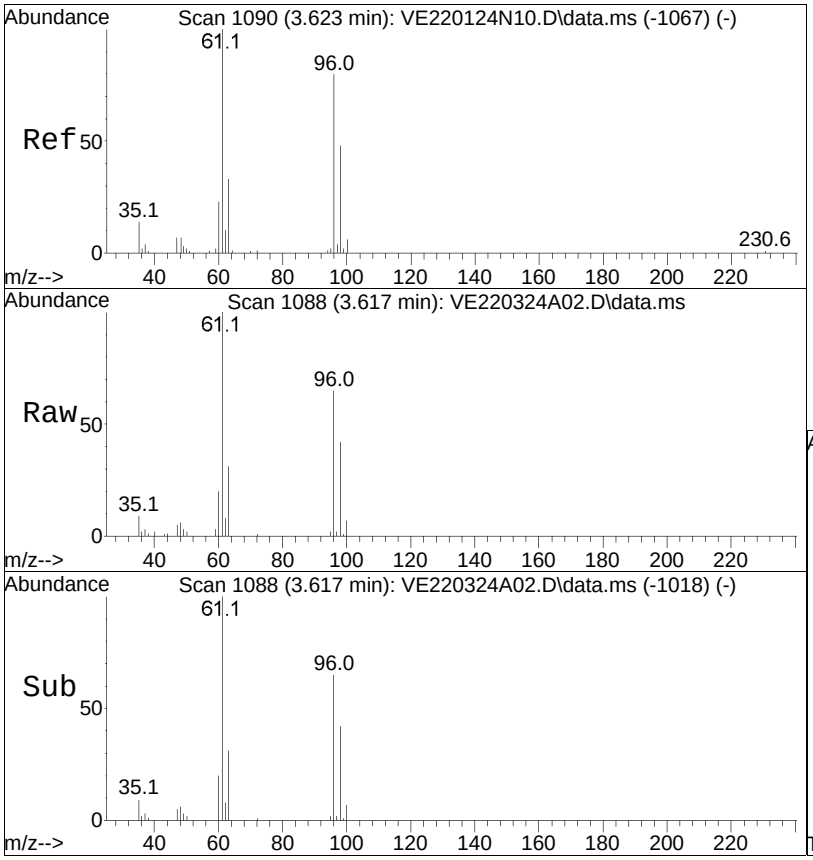


#27
Vinyl acetate
Concen: 8.98 ug/L
RT: 3.314 min Scan# 979
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 43 Resp: 68188

Ion	Ratio	Lower	Upper
43	100		
86	2.7	5.2	7.8#

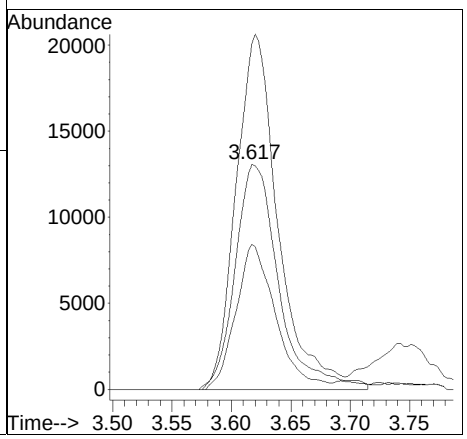


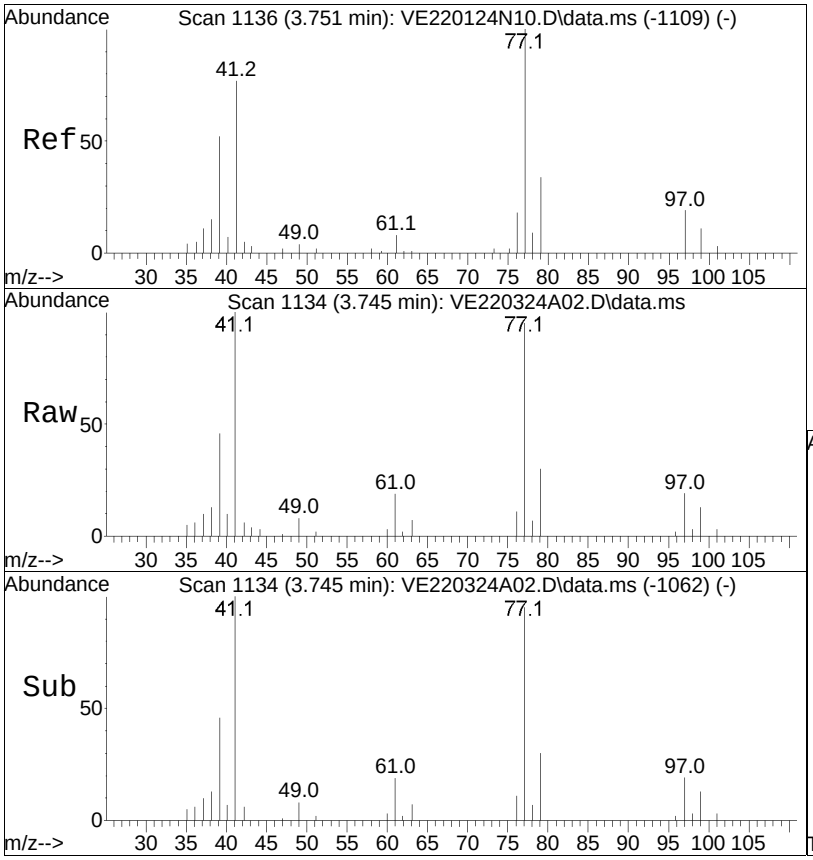


#28
cis-1,2-Dichloroethene
Concen: 10.09 ug/L
RT: 3.617 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 96 Resp: 33497

Ion	Ratio	Lower	Upper
96	100		
61	150.8	149.4	224.2
98	58.8	53.4	80.2

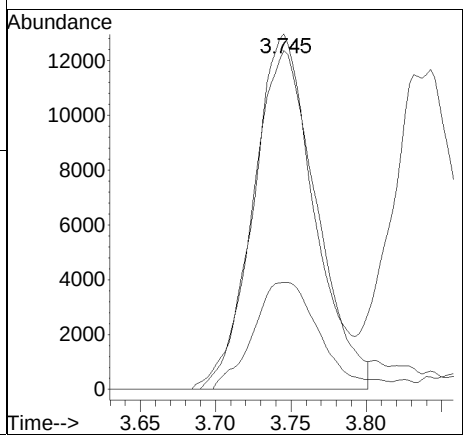


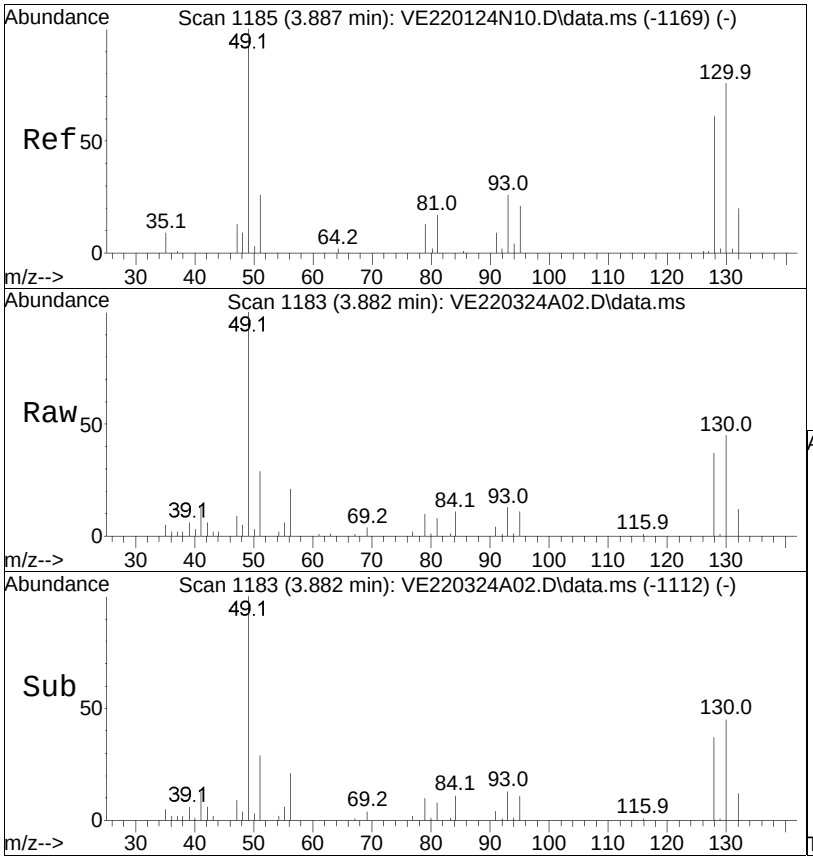


#29
2,2-Dichloropropane
Concen: 9.73 ug/L
RT: 3.745 min Scan# 1134
Delta R.T. 0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 77 Resp: 36298

Ion	Ratio	Lower	Upper
77	100		
41	99.3	38.0	78.8#
79	33.4	20.5	42.5

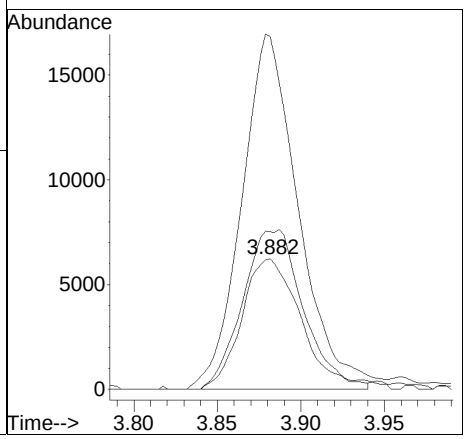


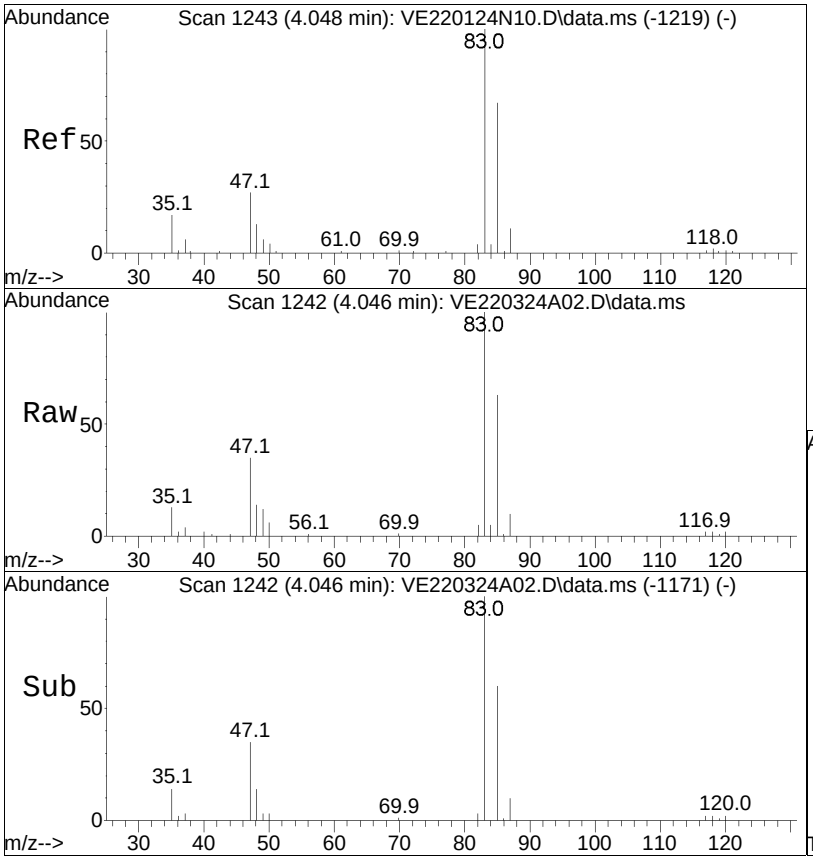


#30
Bromochloromethane
Concen: 10.12 ug/L
RT: 3.882 min Scan# 1183
Delta R.T. -0.002 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:128 Resp: 15397

Ion	Ratio	Lower	Upper
128	100		
49	261.4	223.0	334.4
130	124.2	111.4	167.0

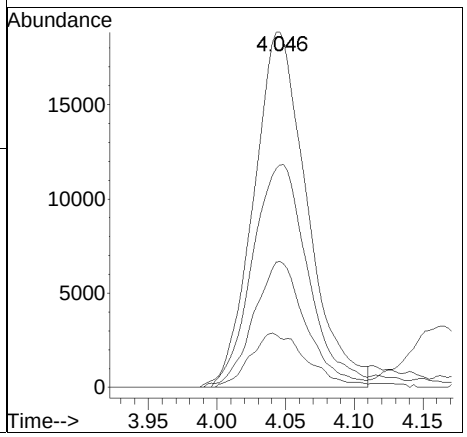


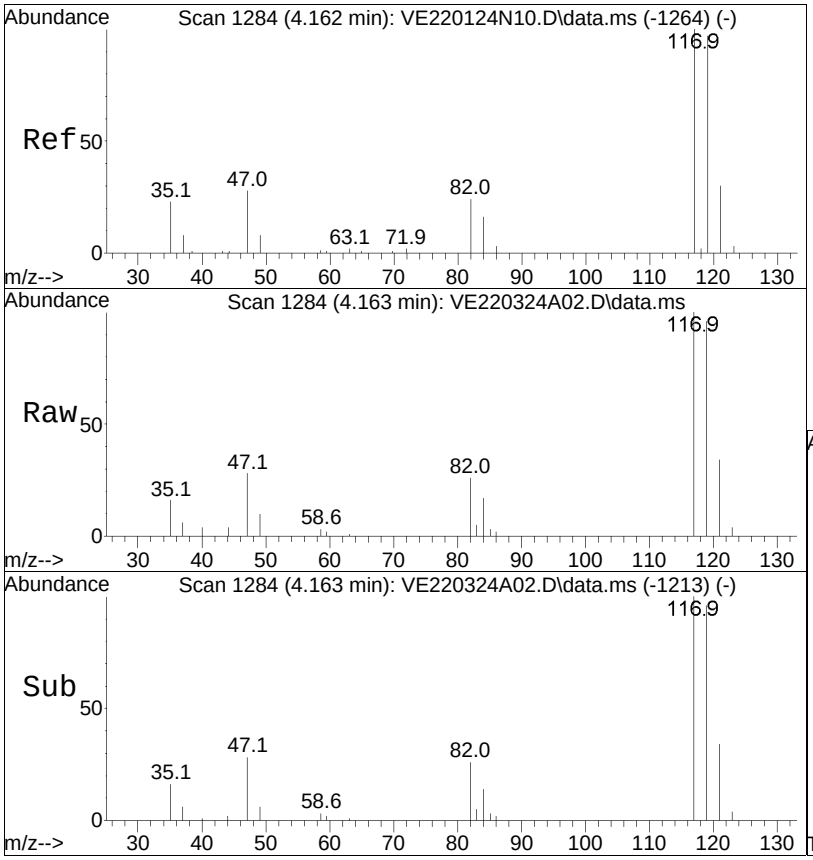


#32
Chloroform
Concen: 9.48 ug/L
RT: 4.046 min Scan# 1242
Delta R.T. -0.002 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 83 Resp: 51238

Ion	Ratio	Lower	Upper
83	100		
85	65.4	41.5	86.1
47	35.3	19.0	39.4
48	16.4	9.9	20.5

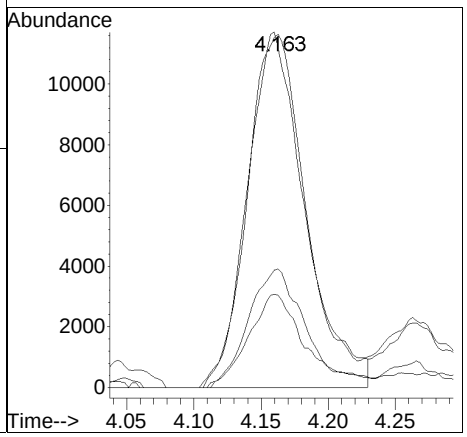


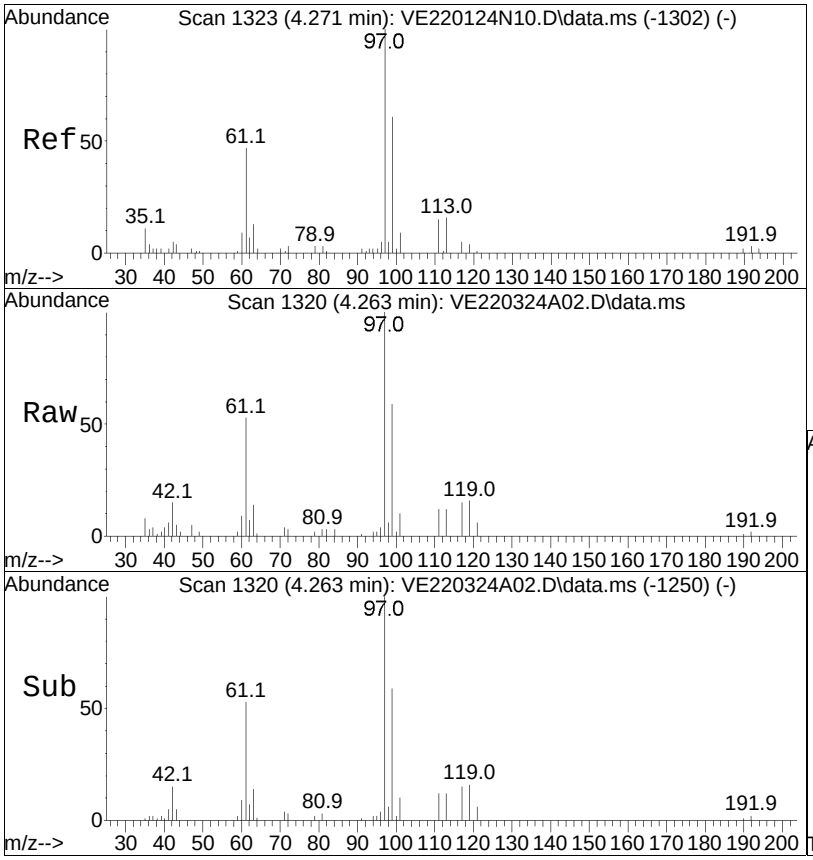


#34
Carbon tetrachloride
Concen: 9.21 ug/L
RT: 4.163 min Scan# 1284
Delta R.T. -0.002 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:117 Resp: 35753

Ion	Ratio	Lower	Upper
117	100		
119	95.1	62.4	129.6
121	33.0	19.5	40.5
82	25.7	17.0	35.4

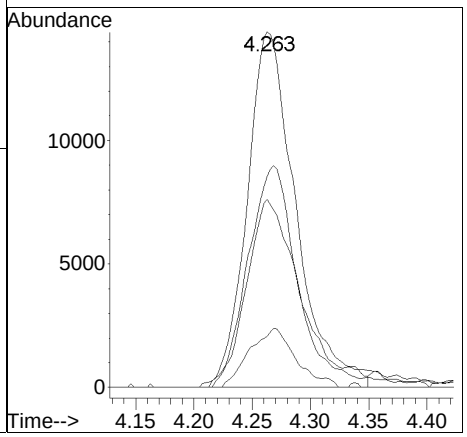


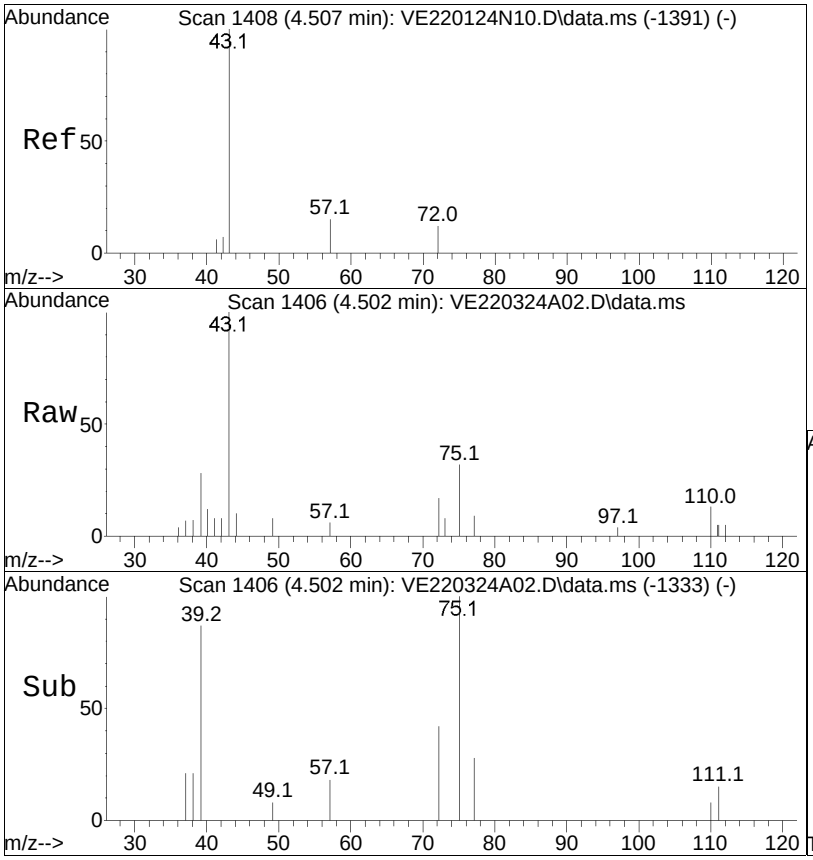


#37
1,1,1-Trichloroethane
Concen: 9.50 ug/L
RT: 4.263 min Scan# 1320
Delta R.T. -0.005 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 97 Resp: 41942

Ion	Ratio	Lower	Upper
97	100		
99	63.1	40.7	84.5
61	56.4	35.4	73.4
63	15.8	5.0	10.4#

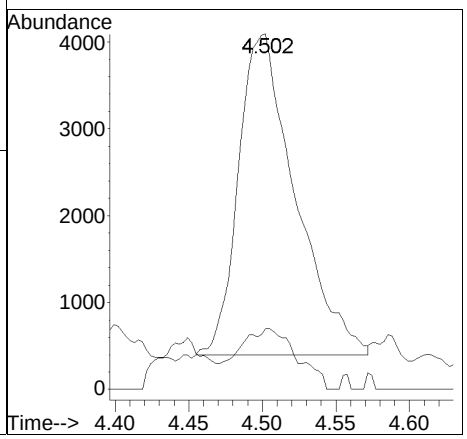


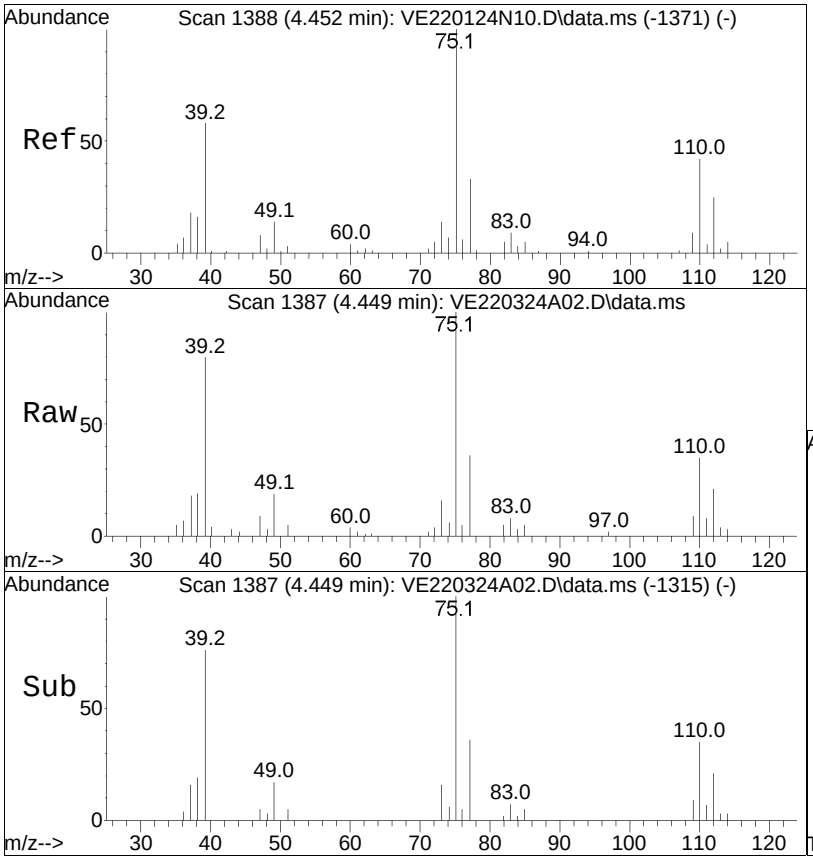


#39
2-Butanone
Concen: 8.65 ug/L
RT: 4.502 min Scan# 1406
Delta R.T. 0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 43 Resp: 9927

Ion	Ratio	Lower	Upper
43	100		
72	19.0	10.9	16.3#

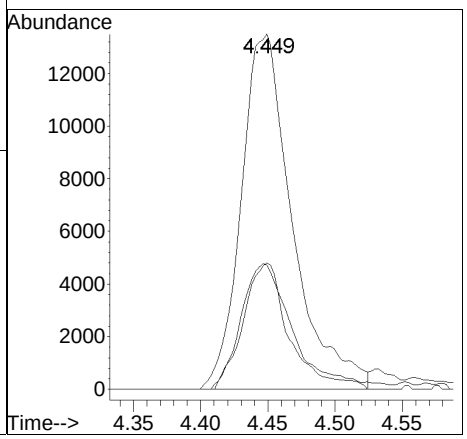


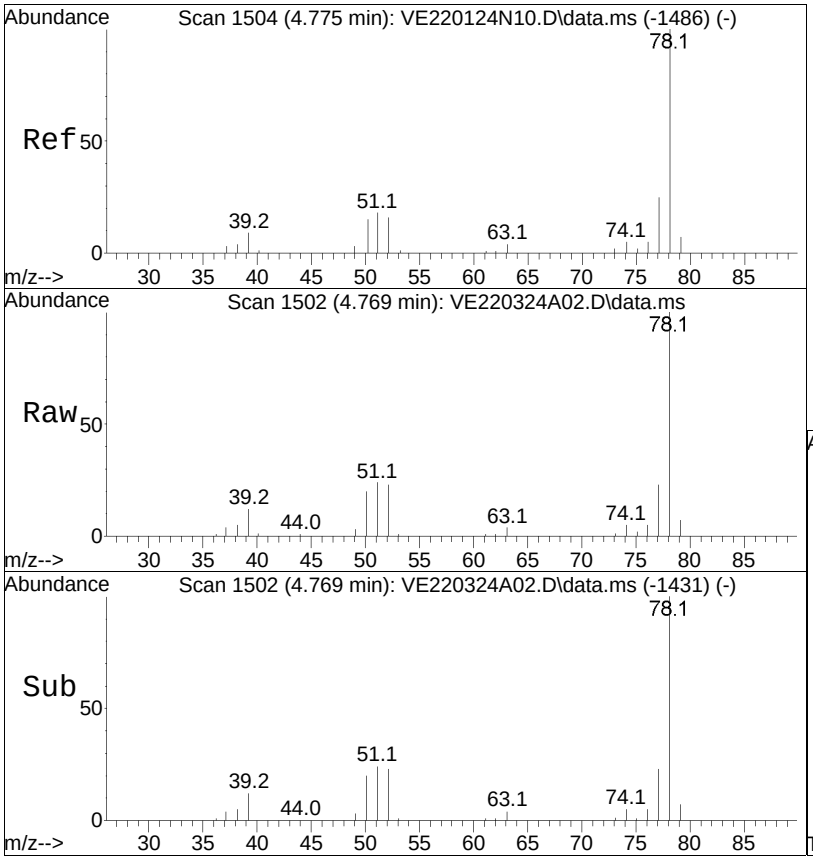


#40
1,1-Dichloropropene
Concen: 9.08 ug/L
RT: 4.449 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 75 Resp: 35808

Ion	Ratio	Lower	Upper
75	100		
110	36.3	20.2	41.9
77	32.1	20.1	41.7

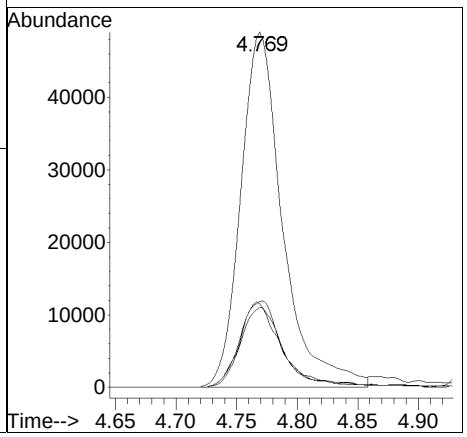


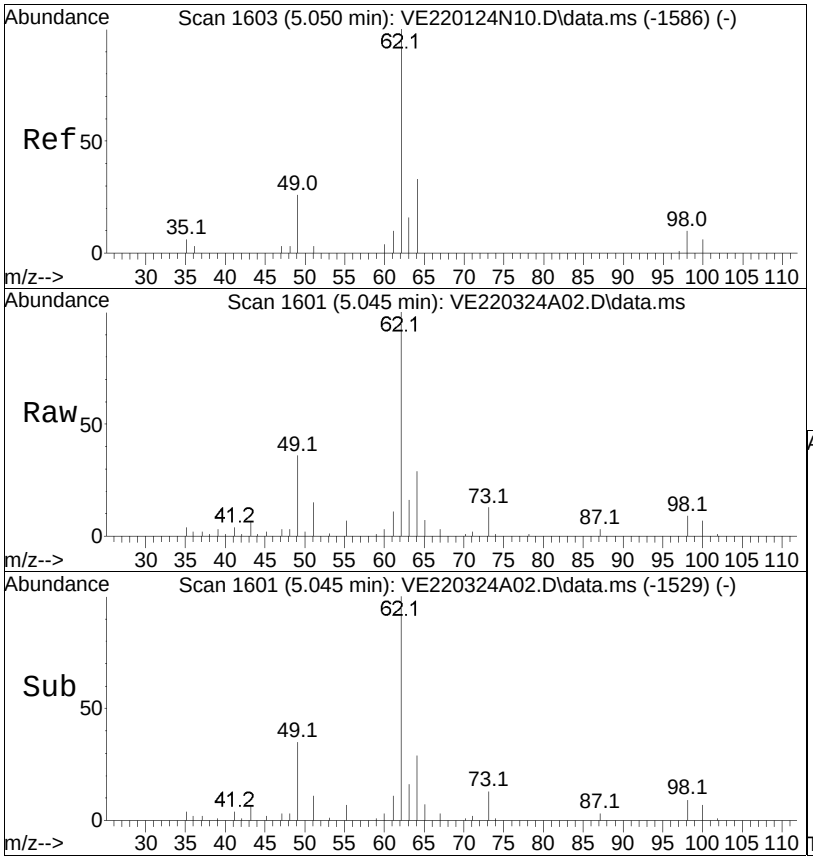


#41
Benzene
Concen: 9.34 ug/L
RT: 4.769 min Scan# 1502
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 78 Resp: 118004

Ion	Ratio	Lower	Upper
78	100		
77	23.0	15.7	32.7
51	24.4	16.0	33.2
52	24.7	15.3	31.9

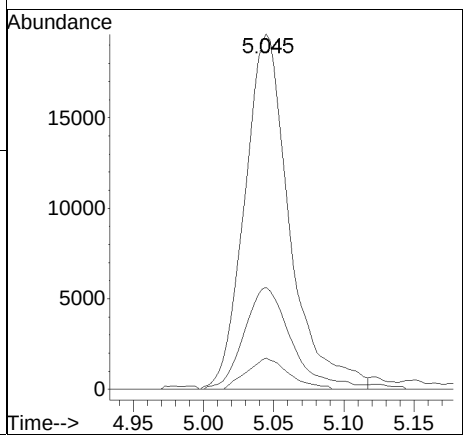


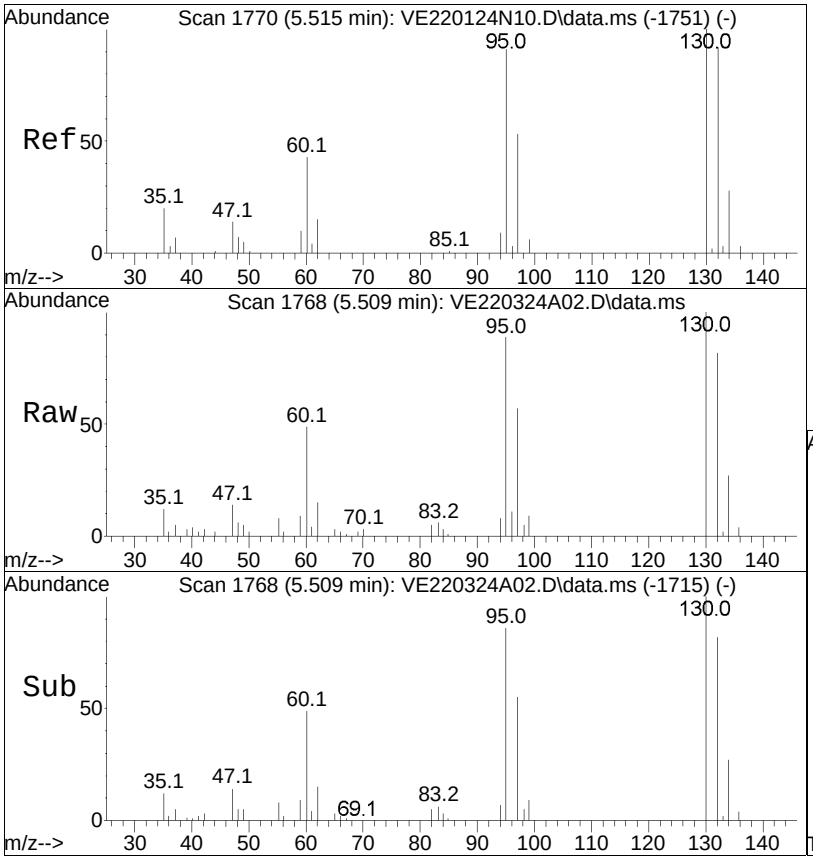


#44
1,2-Dichloroethane
Concen: 10.08 ug/L
RT: 5.045 min Scan# 1601
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 62 Resp: 43858

Ion	Ratio	Lower	Upper
62	100		
64	30.4	11.2	51.2
98	8.3	0.0	26.1

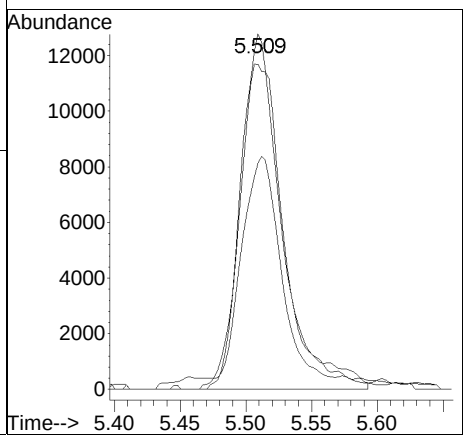


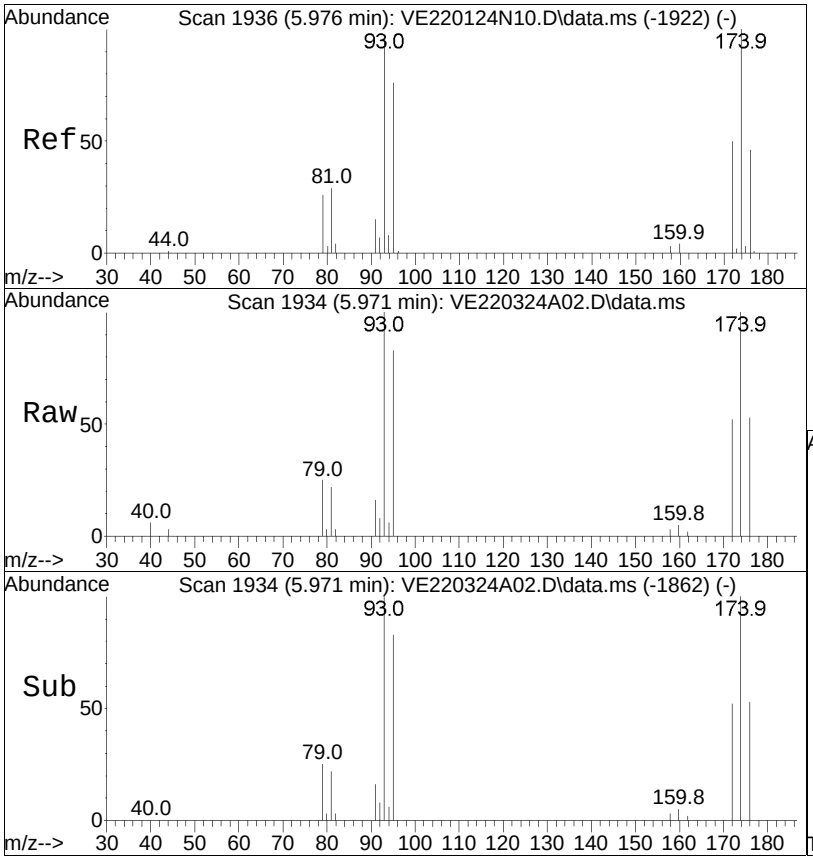


#48
Trichloroethene
Concen: 9.16 ug/L
RT: 5.509 min Scan# 1768
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 95 Resp: 28182

Ion	Ratio	Lower	Upper
95	100		
97	58.9	55.5	83.3
132	96.3	76.6	115.0

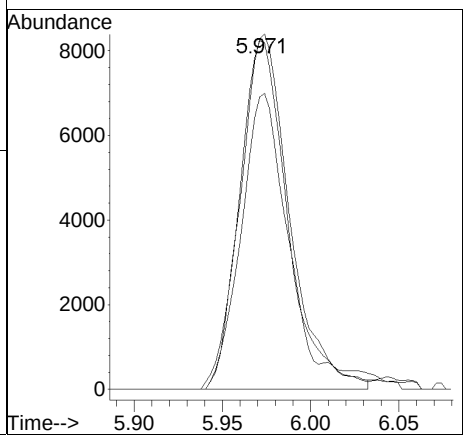


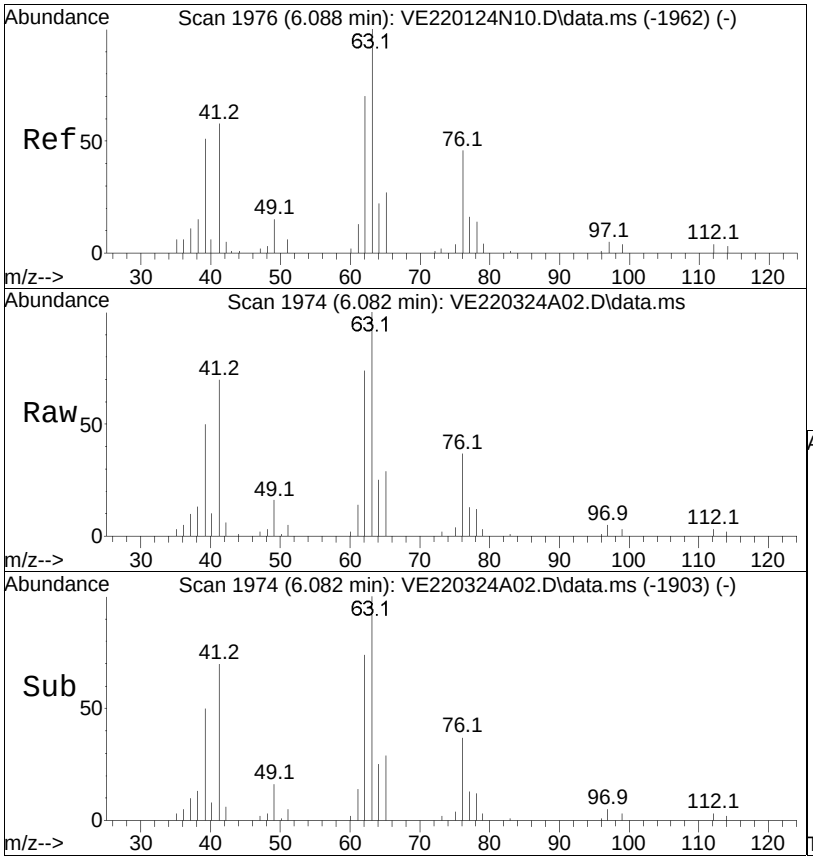


#50
Dibromomethane
Concen: 9.60 ug/L
RT: 5.971 min Scan# 1934
Delta R.T. 0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 93 Resp: 15801

Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.0	100.4
174	105.4	75.0	112.4

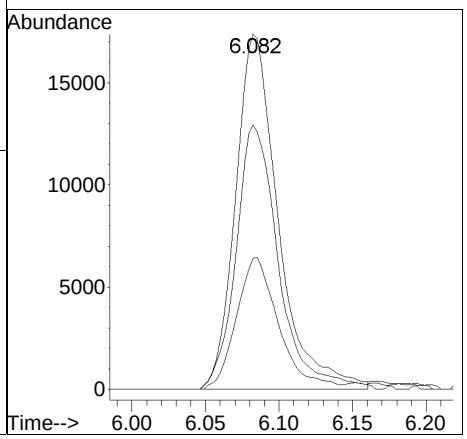


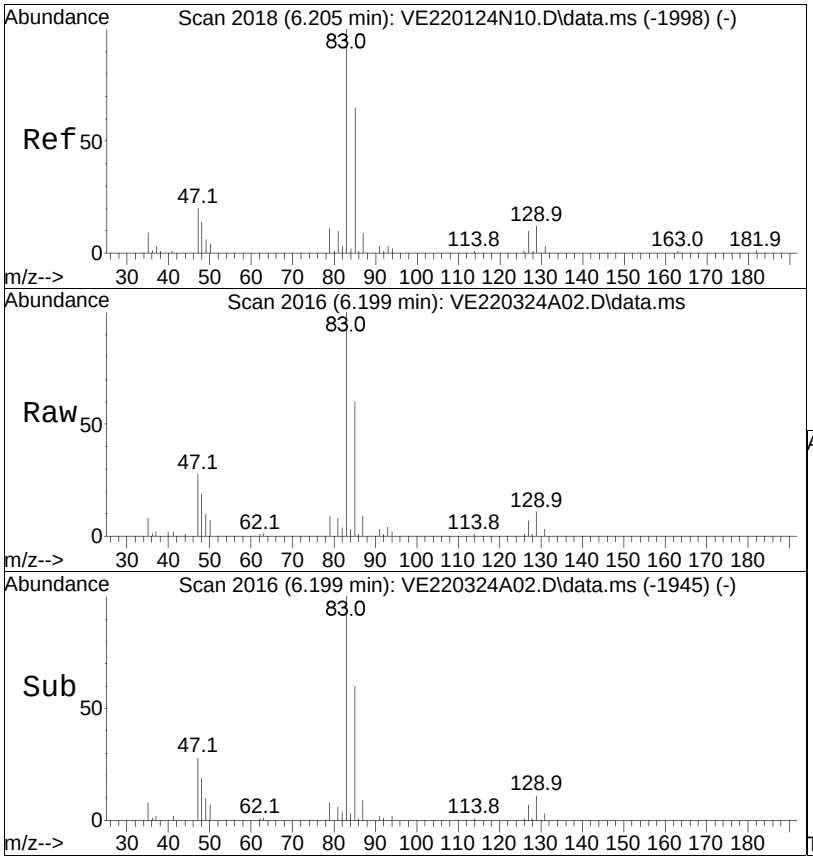


#51
1,2-Dichloropropane
Concen: 9.81 ug/L
RT: 6.082 min Scan# 1974
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 63 Resp: 35149

Ion	Ratio	Lower	Upper
63	100		
62	73.9	58.6	87.8
76	36.6	38.0	57.0#

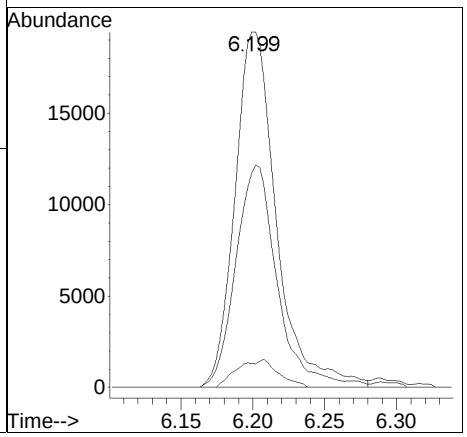


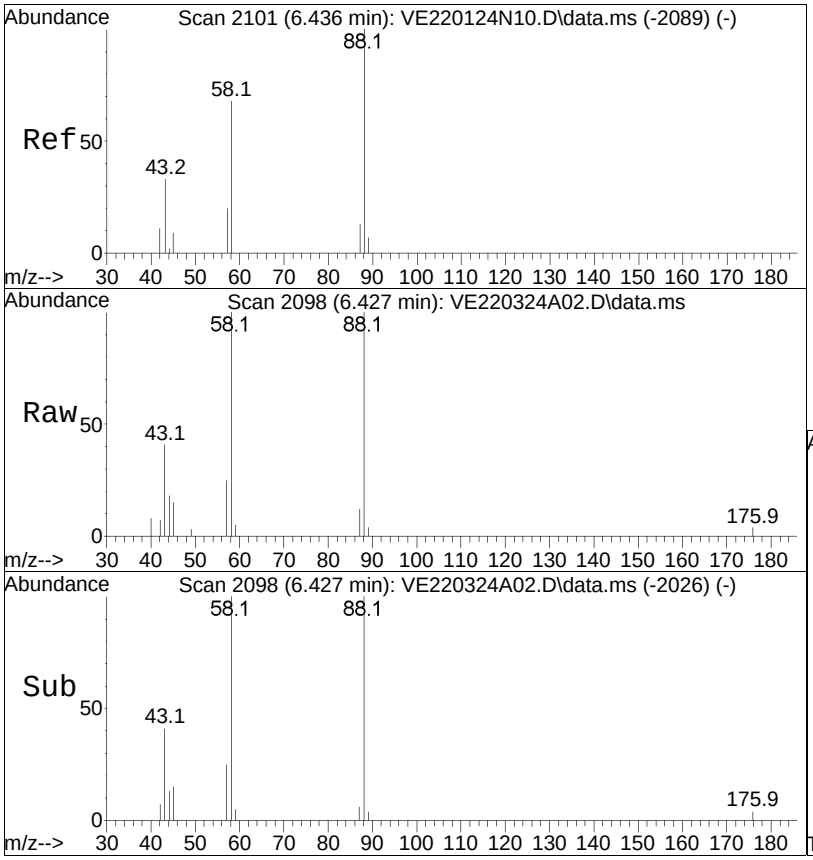


#54
Bromodichloromethane
Concen: 9.71 ug/L
RT: 6.199 min Scan# 2016
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 83 Resp: 39119

Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.3	78.5
127	7.8	6.2	9.4

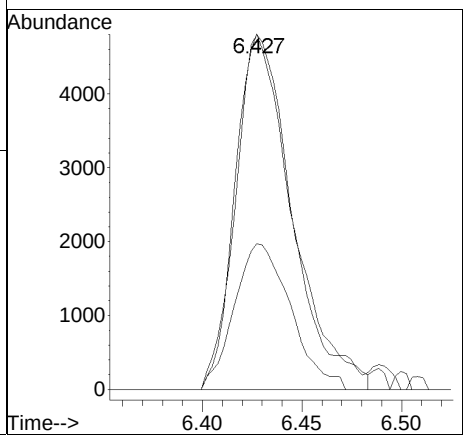


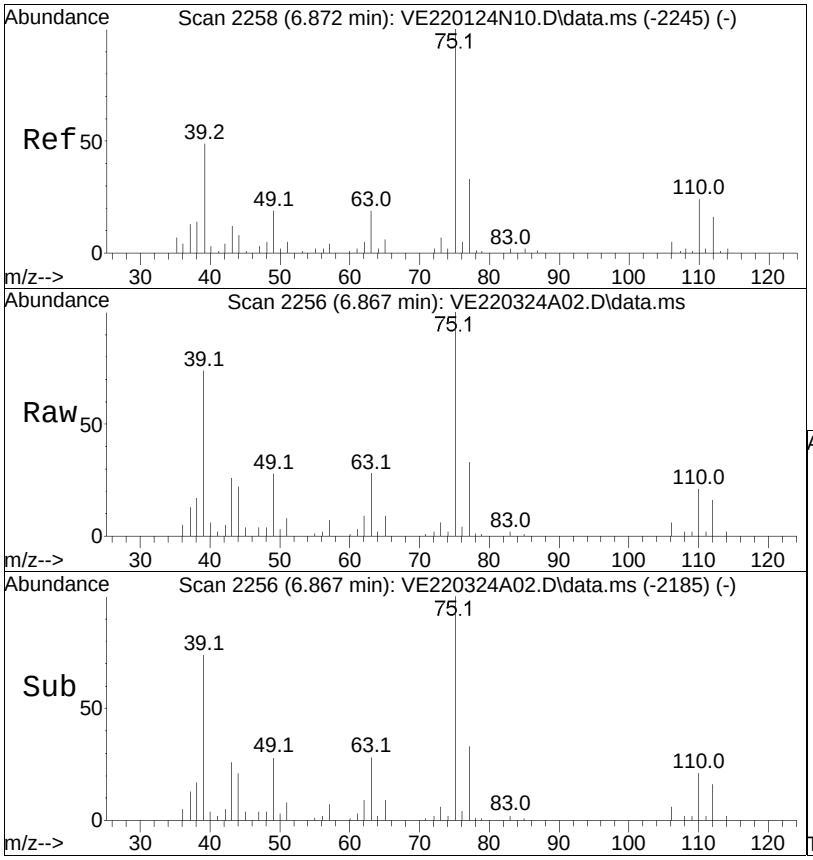


#57
1,4-Dioxane
Concen: 556.80 ug/L
RT: 6.427 min Scan# 2098
Delta R.T. 0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 88 Resp: 9677

Ion	Ratio	Lower	Upper
88	100		
58	95.9	76.7	115.1
43	40.1	36.2	54.2

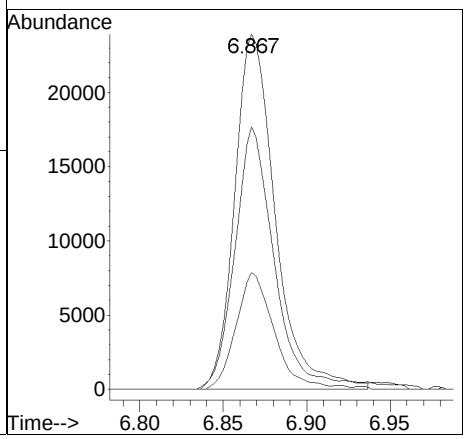


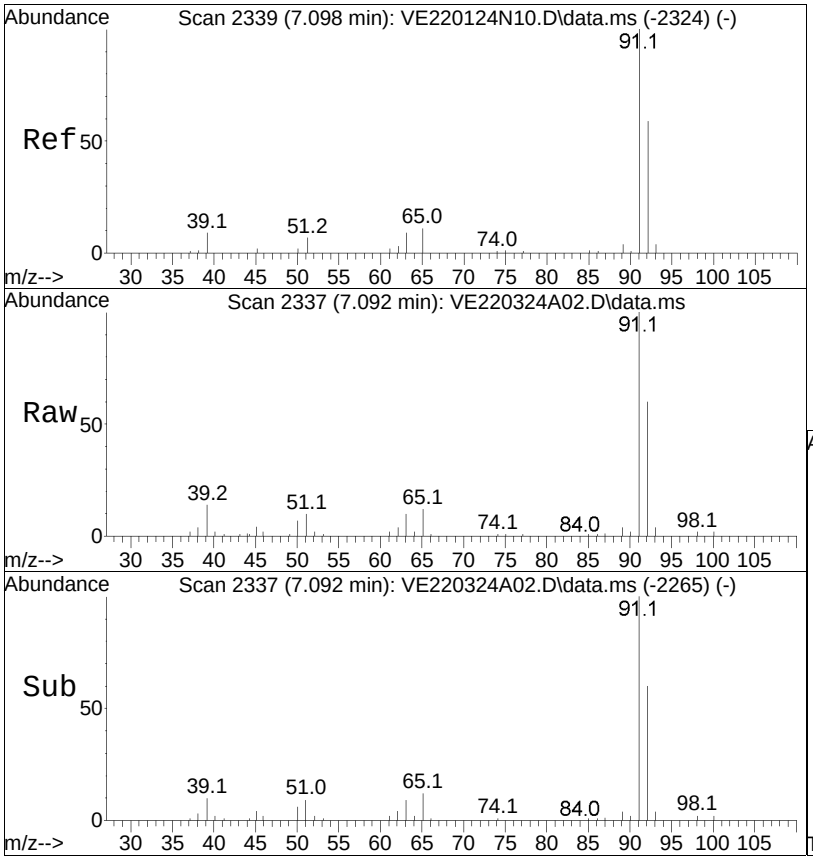


#58
cis-1,3-Dichloropropene
Concen: 8.81 ug/L
RT: 6.867 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 75 Resp: 40582

Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.0	37.4
39	71.5	50.1	75.1

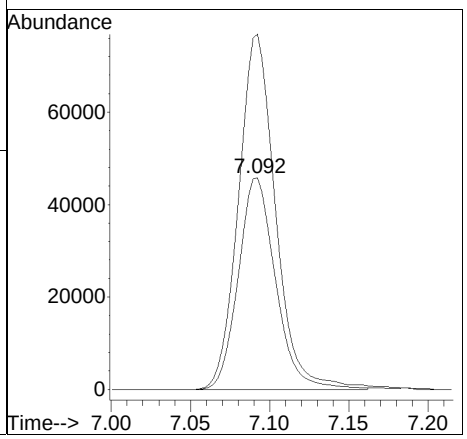


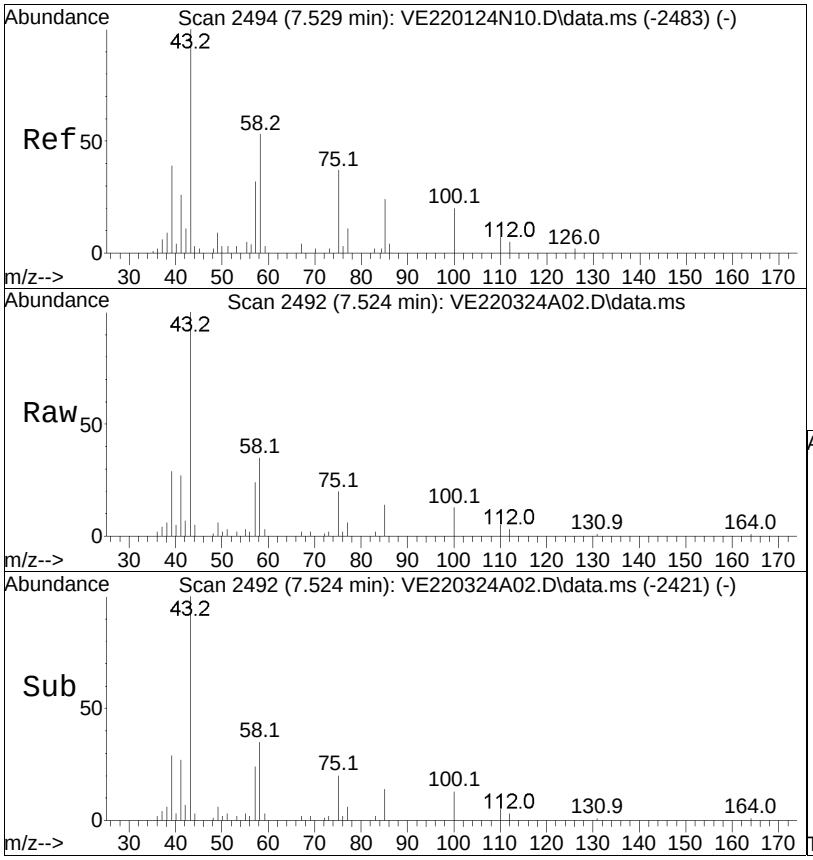


#61
Toluene
Concen: 9.36 ug/L
RT: 7.092 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 92 Resp: 75086

Ion	Ratio	Lower	Upper
92	100		
91	167.7	139.8	209.6

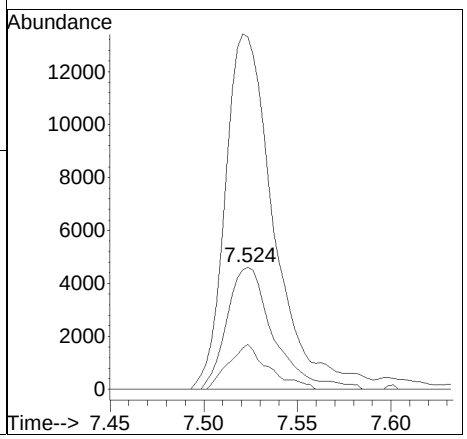


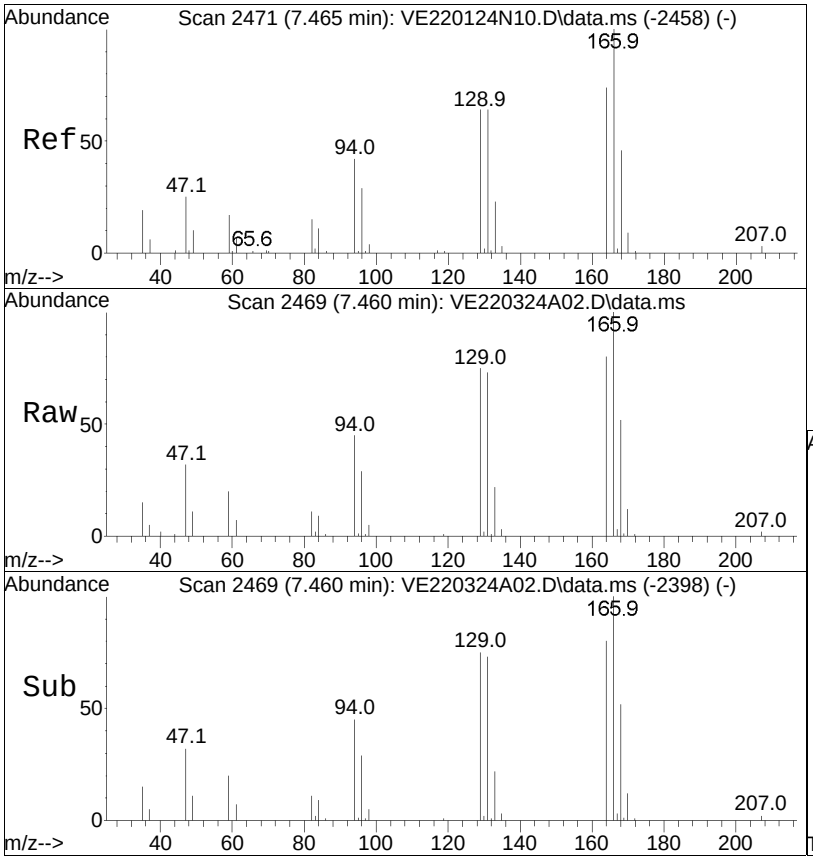


#62
4-Methyl-2-pentanone
Concen: 8.26 ug/L
RT: 7.524 min Scan# 2492
Delta R.T. -0.002 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 58 Resp: 8041

Ion	Ratio	Lower	Upper
58	100		
100	31.8	20.2	30.2#
43	303.2	196.6	295.0#

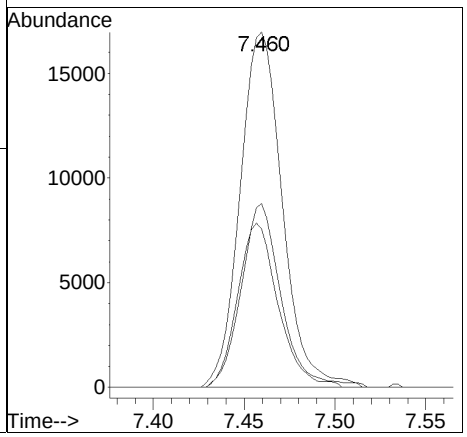


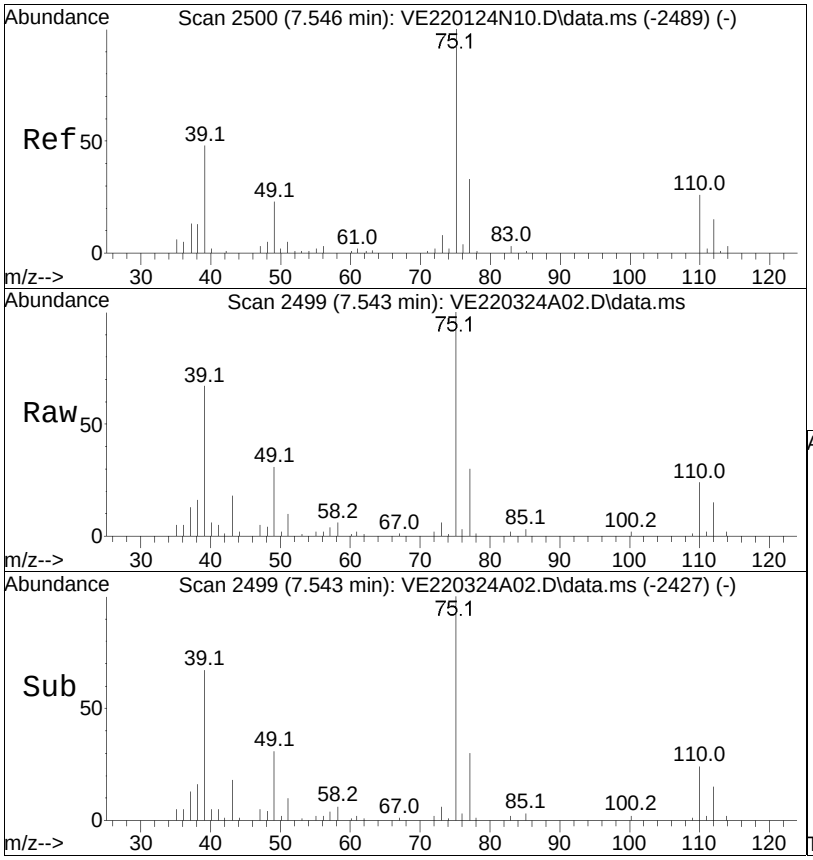


#63
Tetrachloroethene
Concen: 9.15 ug/L
RT: 7.460 min Scan# 2469
Delta R.T. -0.002 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:166 Resp: 27532

Ion	Ratio	Lower	Upper
166	100		
168	48.9	28.2	68.2
94	44.4	38.4	78.4

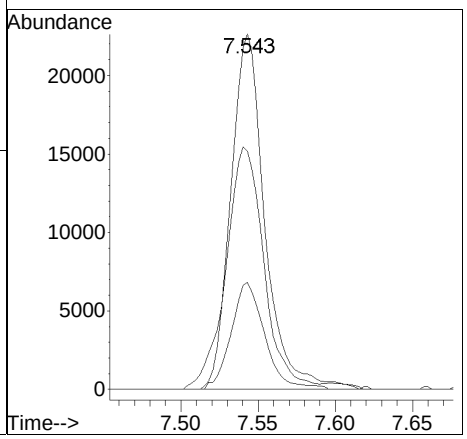


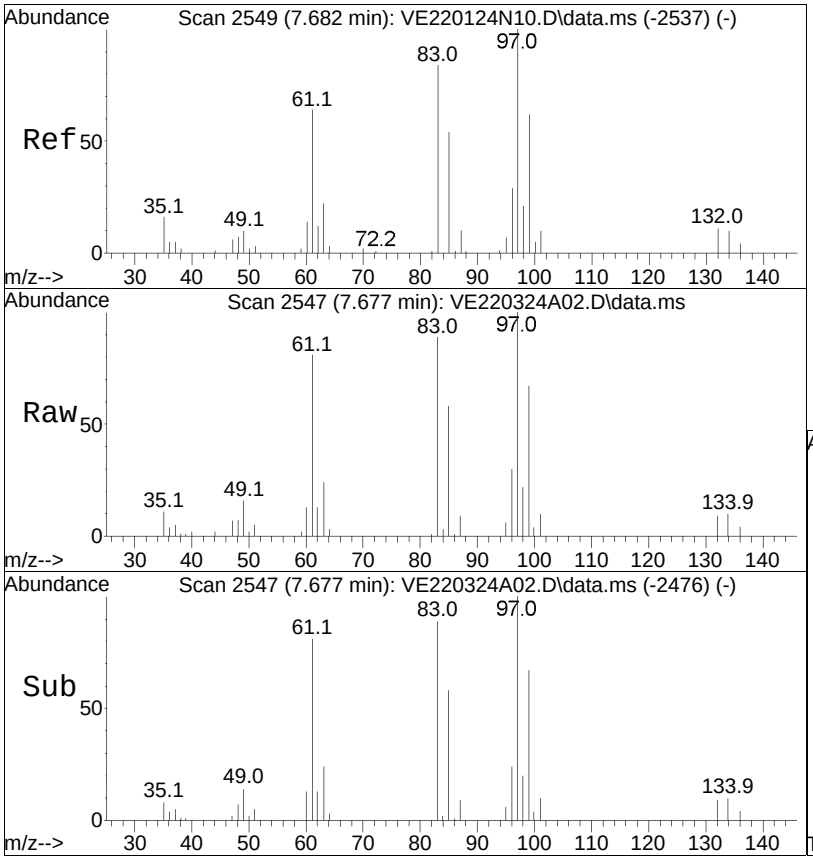


#65
trans-1,3-Dichloropropene
Concen: 9.25 ug/L
RT: 7.543 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 75 Resp: 34875

Ion	Ratio	Lower	Upper
75	100		
77	29.6	12.4	52.4
39	75.8	42.8	82.8

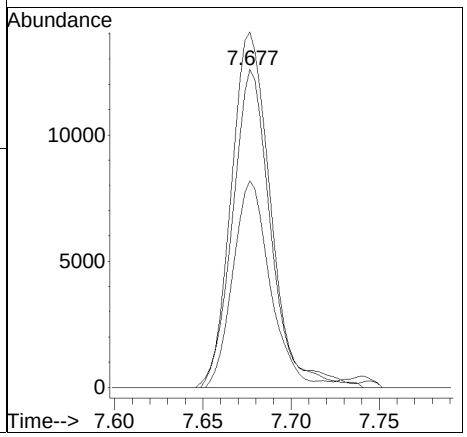


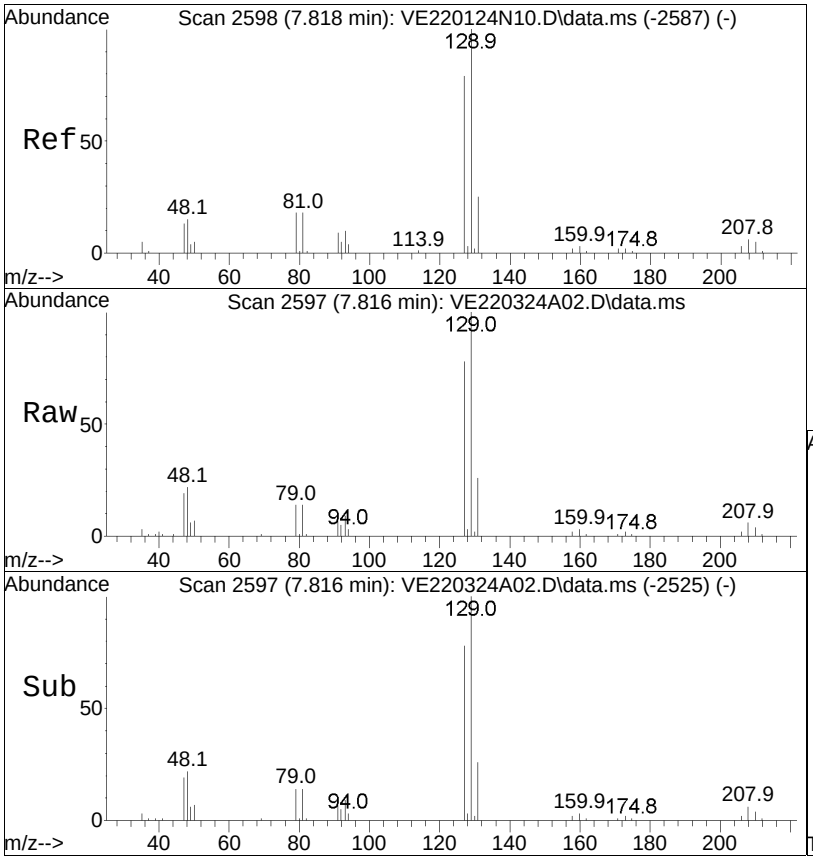


#68
1,1,2-Trichloroethane
Concen: 9.36 ug/L
RT: 7.677 min Scan# 2547
Delta R.T. -0.002 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 83 Resp: 18951

Ion	Ratio	Lower	Upper
83	100		
97	115.7	89.8	129.8
85	62.9	44.4	84.4

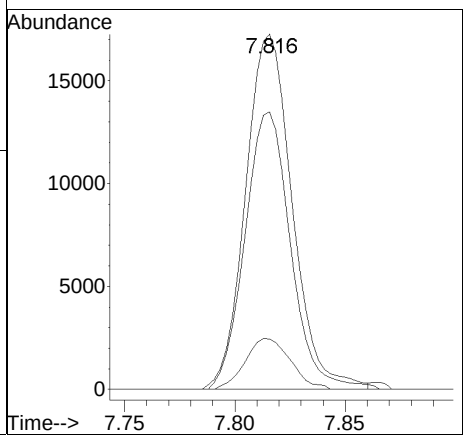


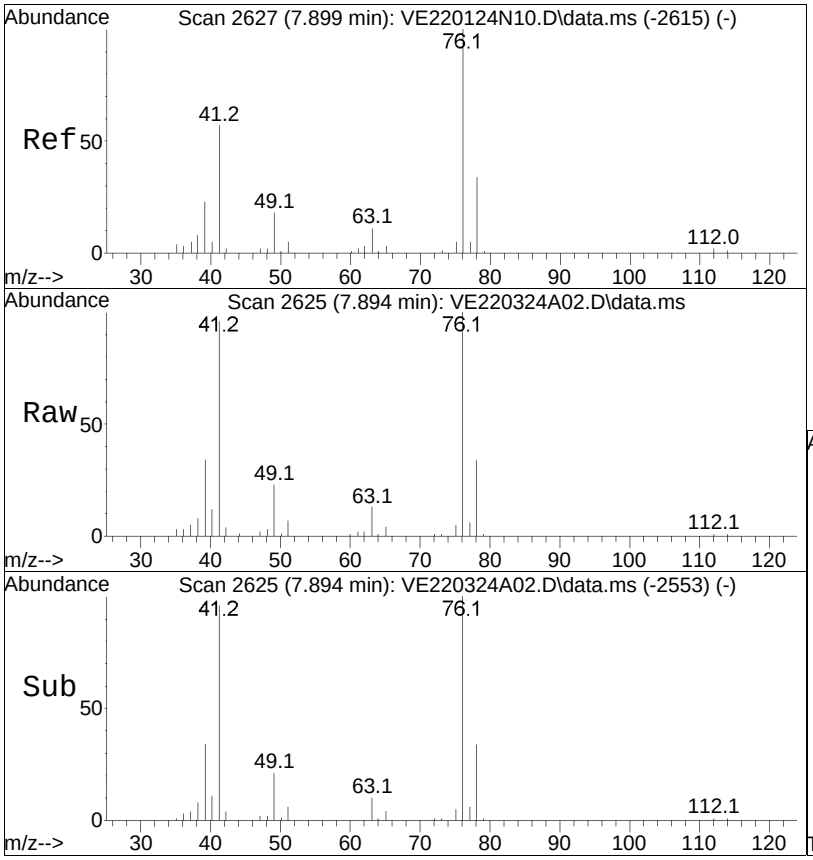


#69
Chlorodibromomethane
Concen: 9.09 ug/L
RT: 7.816 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:129 Resp: 25449

Ion	Ratio	Lower	Upper
129	100		
81	13.9	2.9	42.9
127	76.4	57.8	97.8

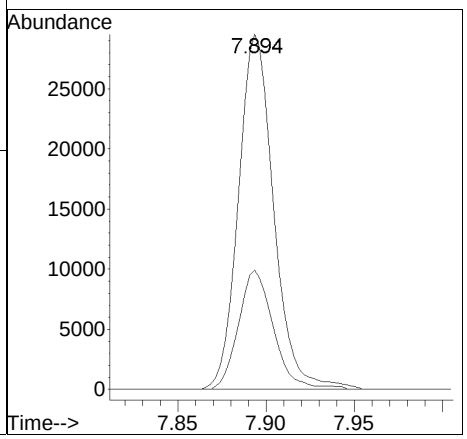


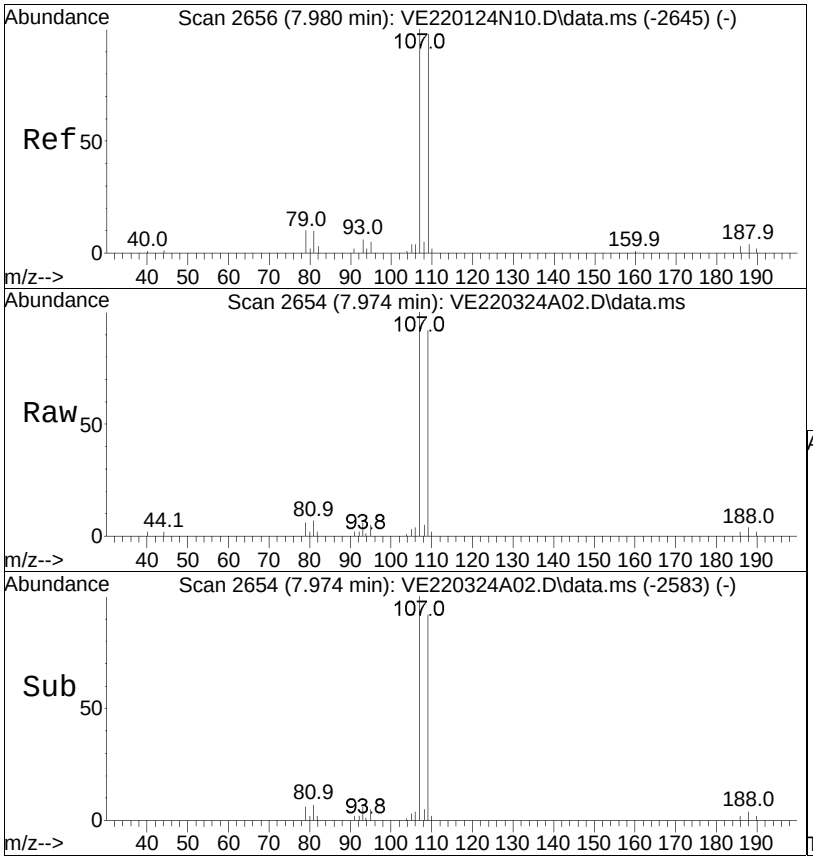


#70
1,3-Dichloropropane
Concen: 9.16 ug/L
RT: 7.894 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 76 Resp: 41068

Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.5	38.3

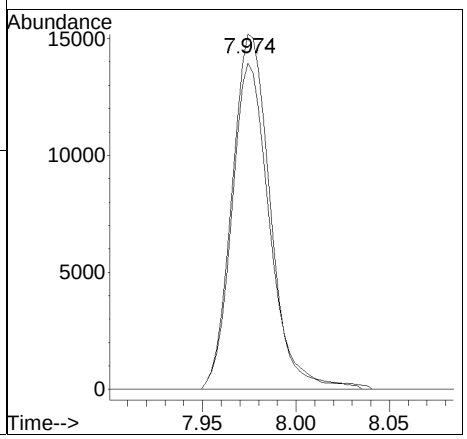


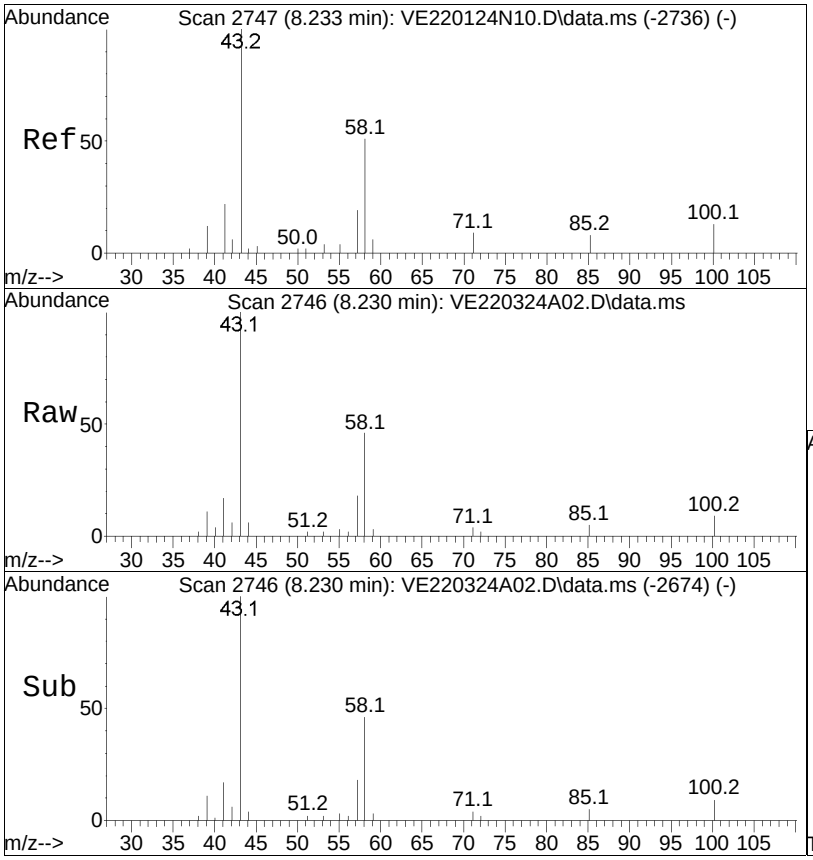


#71
1,2-Dibromoethane
Concen: 8.76 ug/L
RT: 7.974 min Scan# 2654
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:107 Resp: 21571

Ion	Ratio	Lower	Upper
107	100		
109	91.3	74.3	111.5

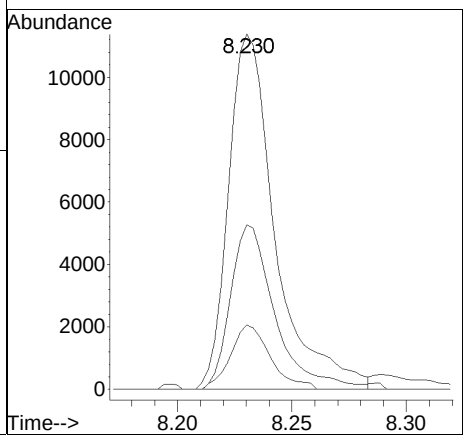


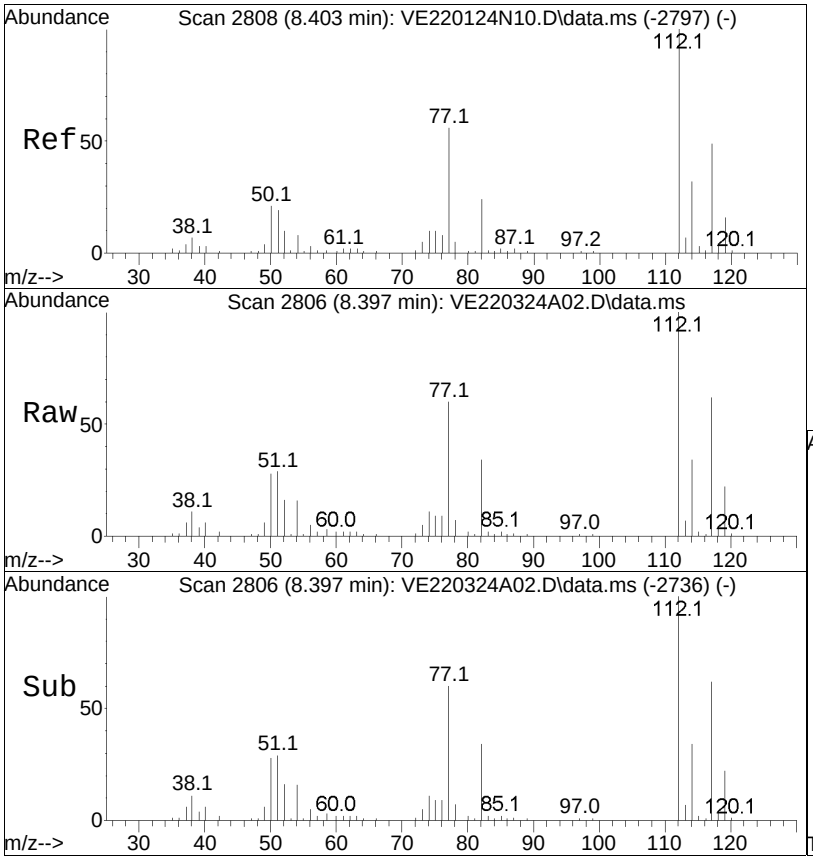


#72
2-Hexanone
Concen: 9.85 ug/L
RT: 8.230 min Scan# 2746
Delta R.T. 0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 43 Resp: 16216

Ion	Ratio	Lower	Upper
43	100		
58	43.9	41.2	61.8
57	15.5	17.2	25.8#

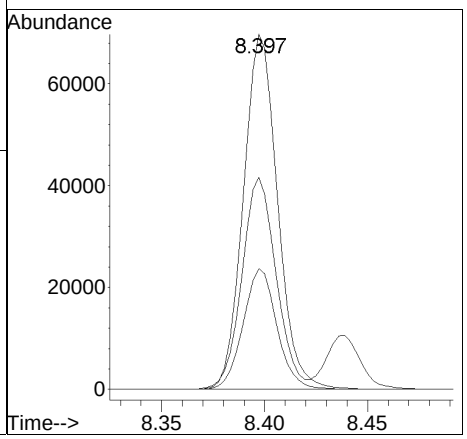


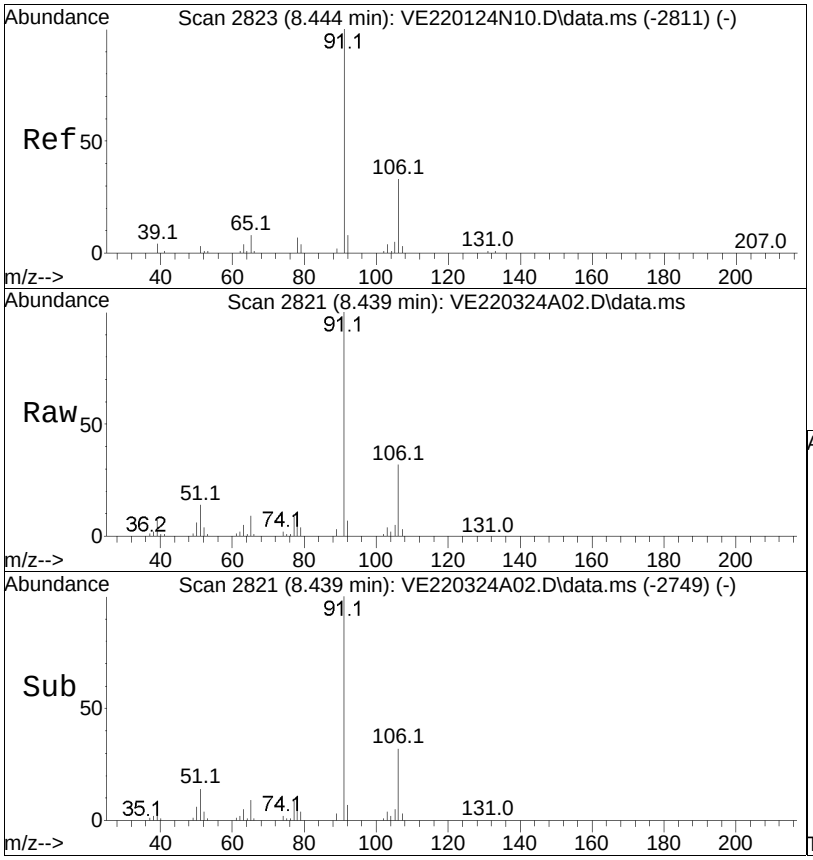


#73
Chlorobenzene
Concen: 9.44 ug/L
RT: 8.397 min Scan# 2806
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:112 Resp: 80553

Ion	Ratio	Lower	Upper
112	100		
77	59.7	55.4	83.0
114	33.6	25.4	38.2

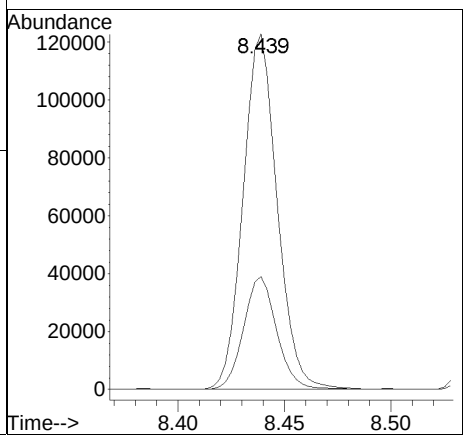


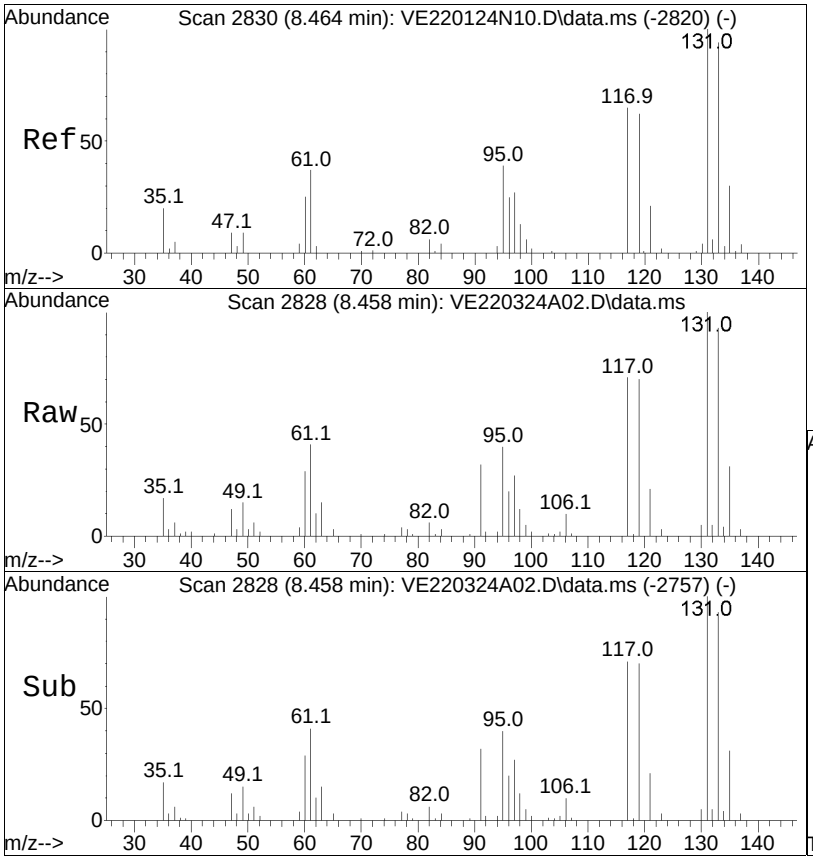


#74
Ethylbenzene
Concen: 9.71 ug/L
RT: 8.439 min Scan# 2821
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 91 Resp: 136742

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.3	36.5

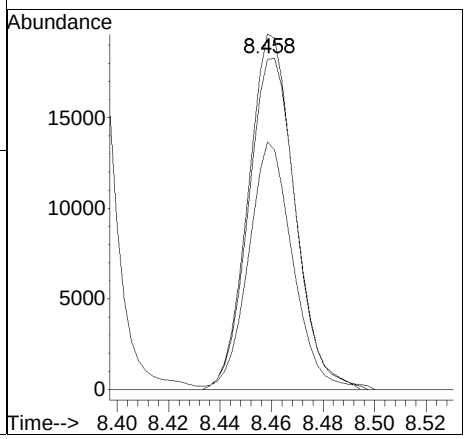


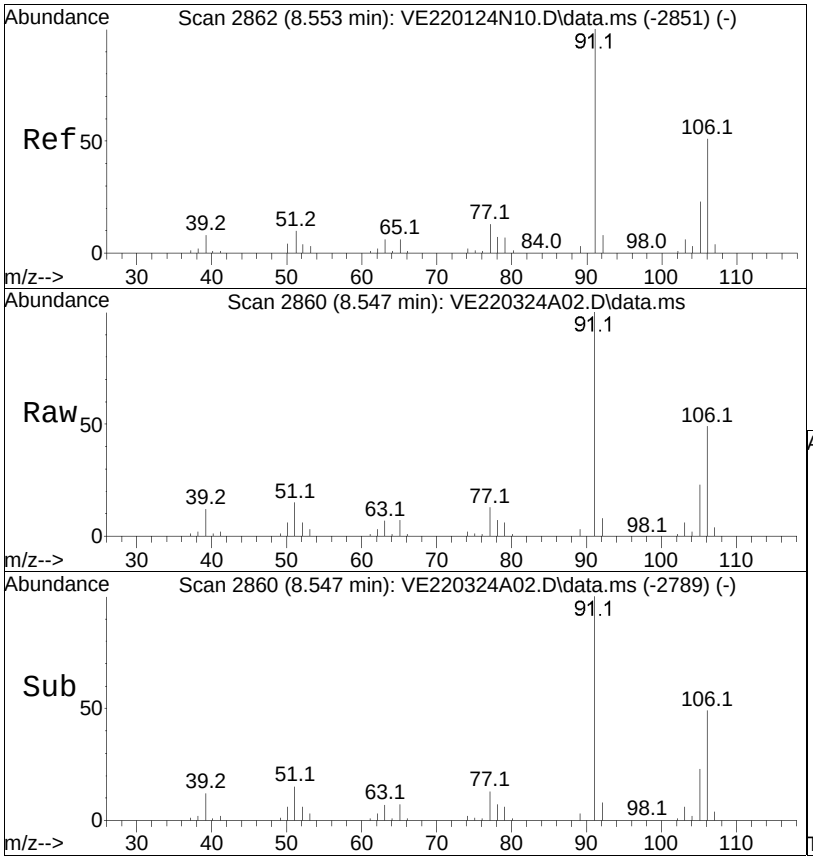


#75
1,1,1,2-Tetrachloroethane
Concen: 8.79 ug/L
RT: 8.458 min Scan# 2828
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:131 Resp: 24633

Ion	Ratio	Lower	Upper
131	100		
133	95.3	81.0	121.0
119	66.4	41.3	81.3

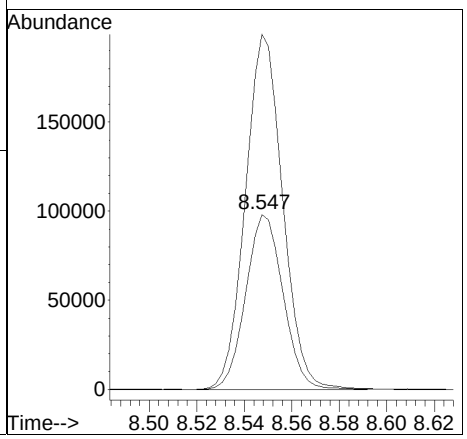


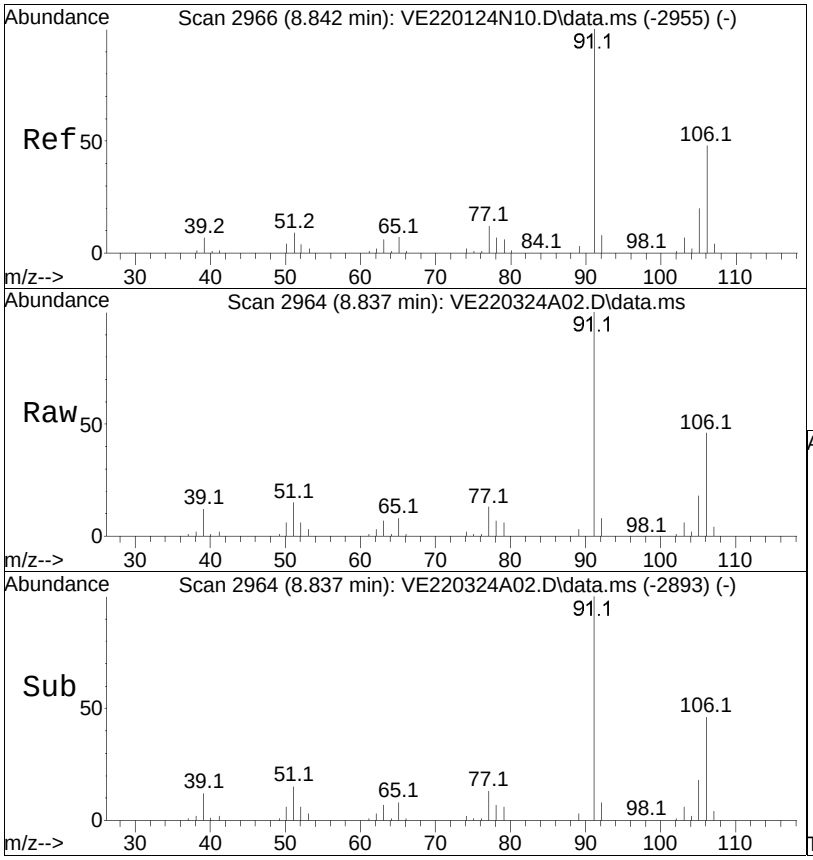


#76
p/m Xylene
Concen: 19.83 ug/L
RT: 8.547 min Scan# 2860
Delta R.T. -0.003 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:106 Resp: 107106

Ion	Ratio	Lower	Upper
106	100		
91	203.0	166.4	249.6

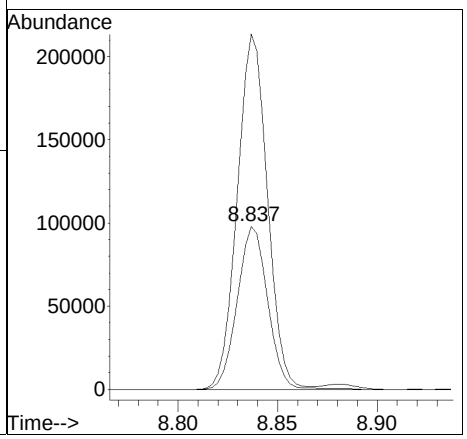


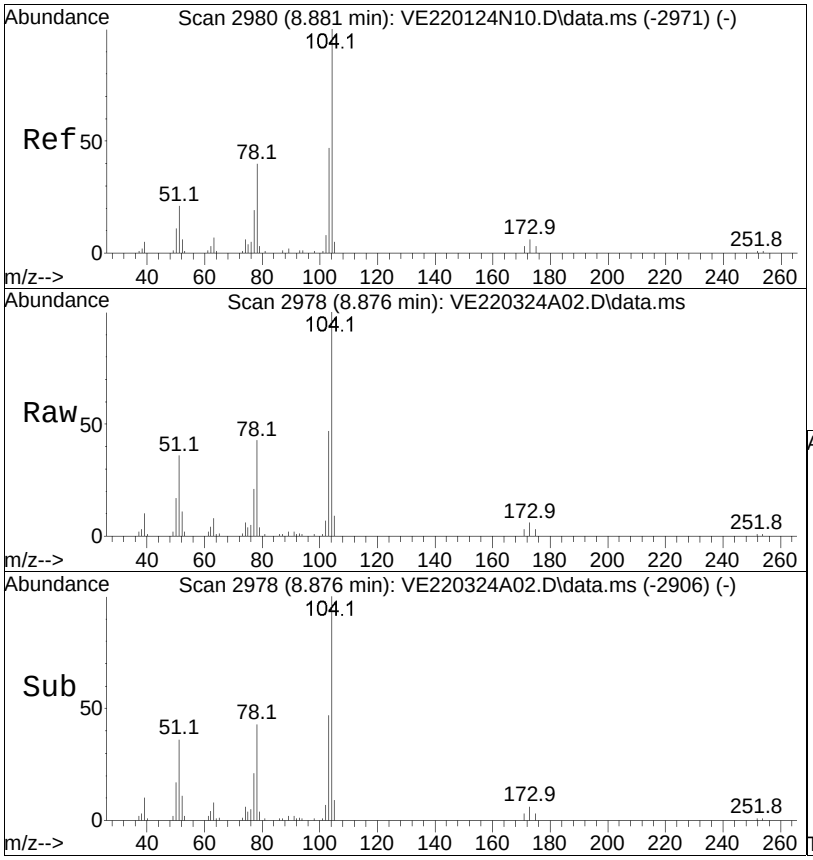


#77
o Xylene
Concen: 19.54 ug/L
RT: 8.837 min Scan# 2964
Delta R.T. -0.002 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:106 Resp: 104164

Ion	Ratio	Lower	Upper
106	100		
91	215.4	182.6	273.8

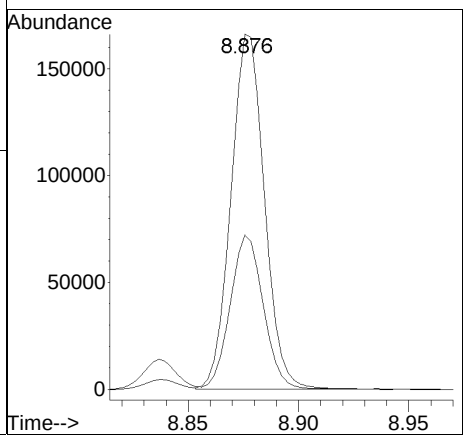


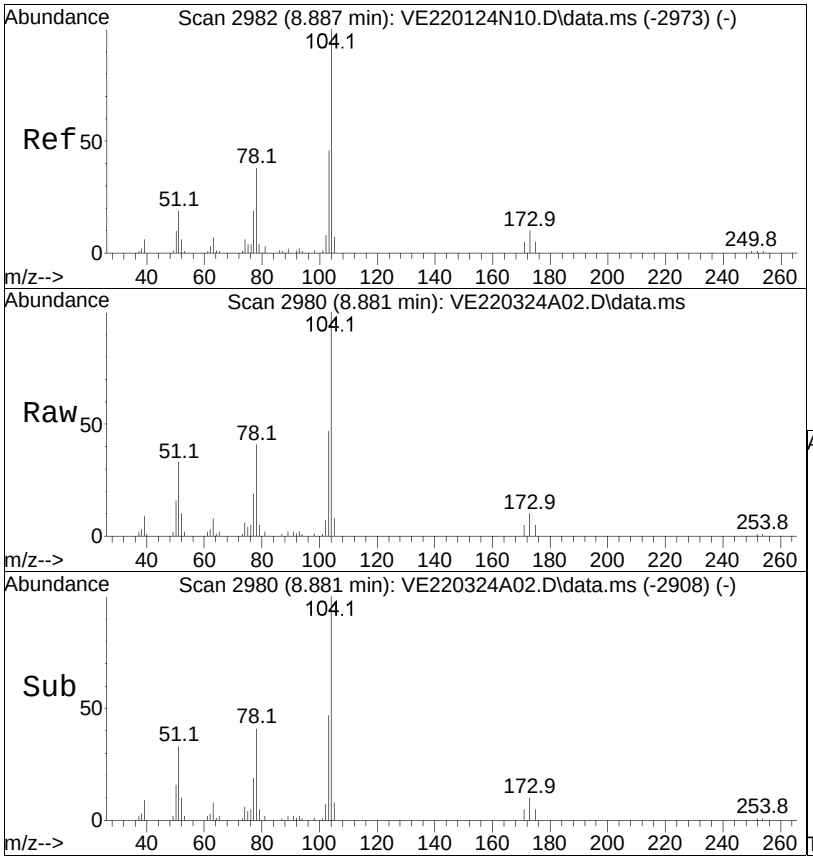


#78
Styrene
Concen: 20.46 ug/L
RT: 8.876 min Scan# 2978
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:104 Resp: 174978

Ion	Ratio	Lower	Upper
104	100		
78	43.2	39.8	59.6

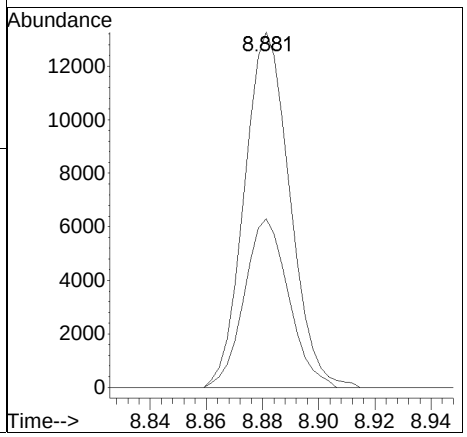


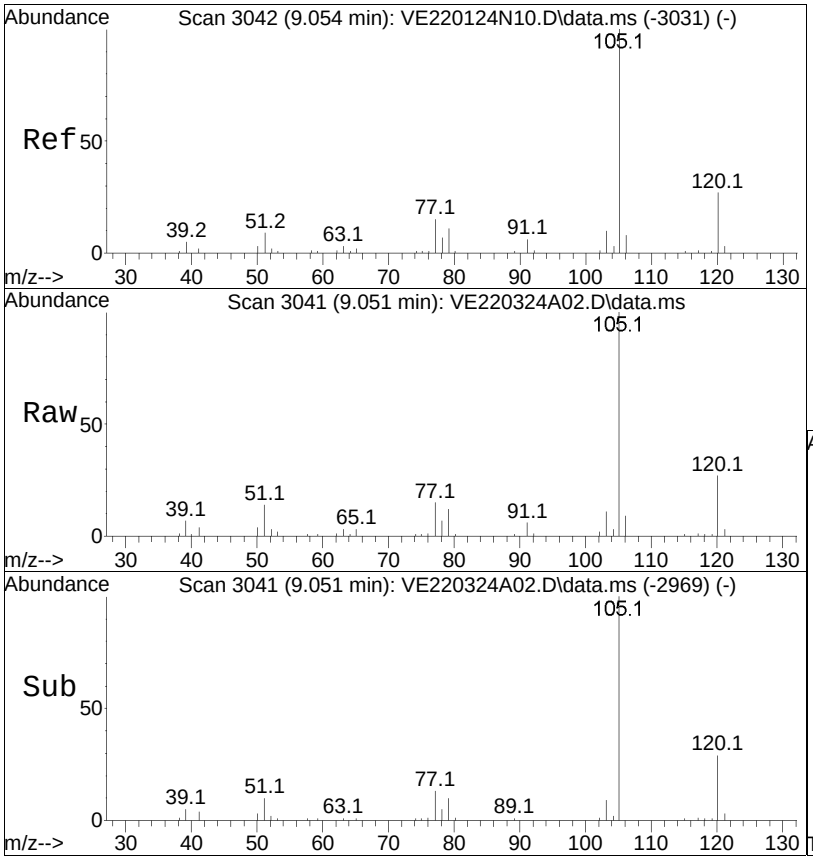


#80
Bromoform
Concen: 8.75 ug/L
RT: 8.881 min Scan# 2980
Delta R.T. 0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:173 Resp: 14931

Ion	Ratio	Lower	Upper
173	100		
175	46.3	31.5	71.5

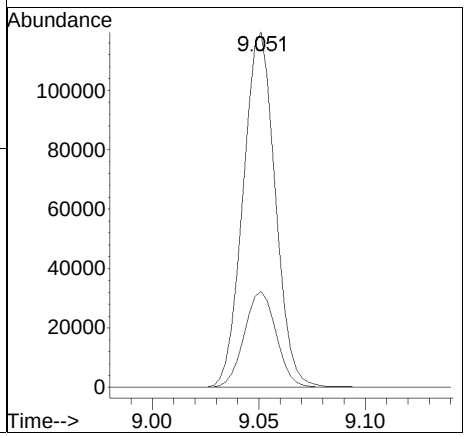


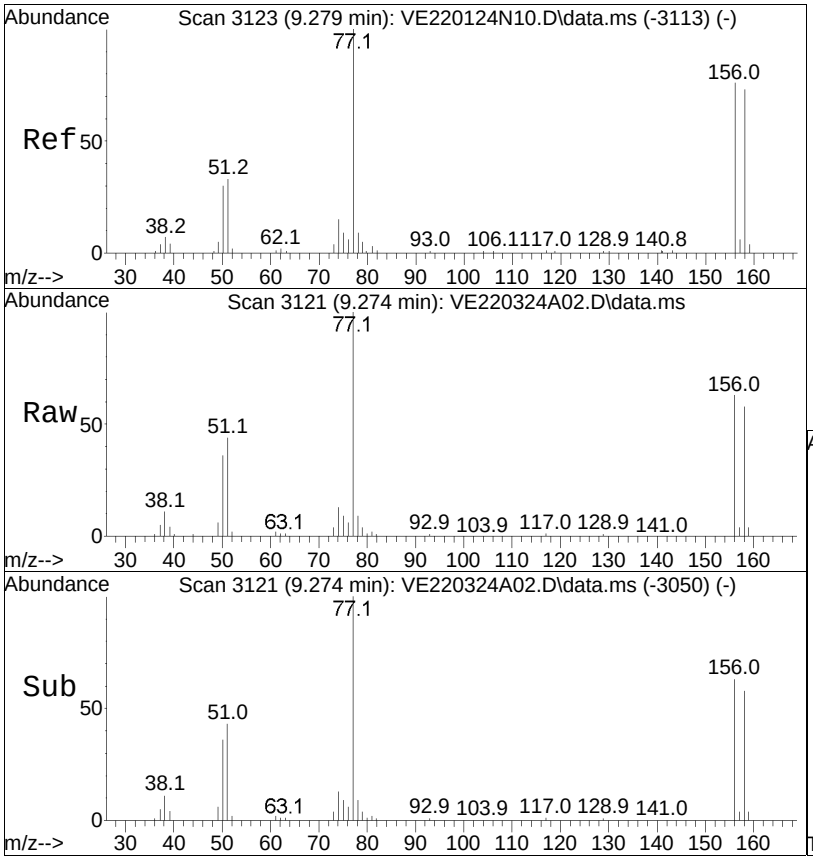


#82
Isopropylbenzene
Concen: 8.91 ug/L
RT: 9.051 min Scan# 3041
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:105 Resp: 125682

Ion	Ratio	Lower	Upper
105	100		
120	26.8	4.8	44.8

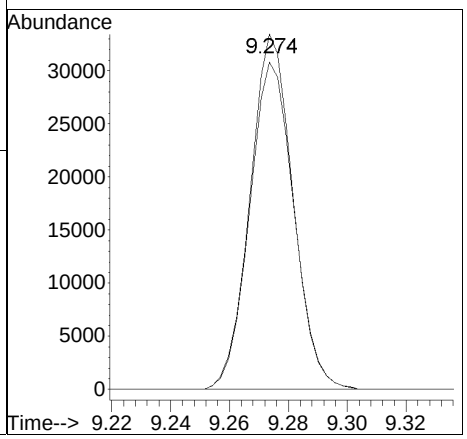


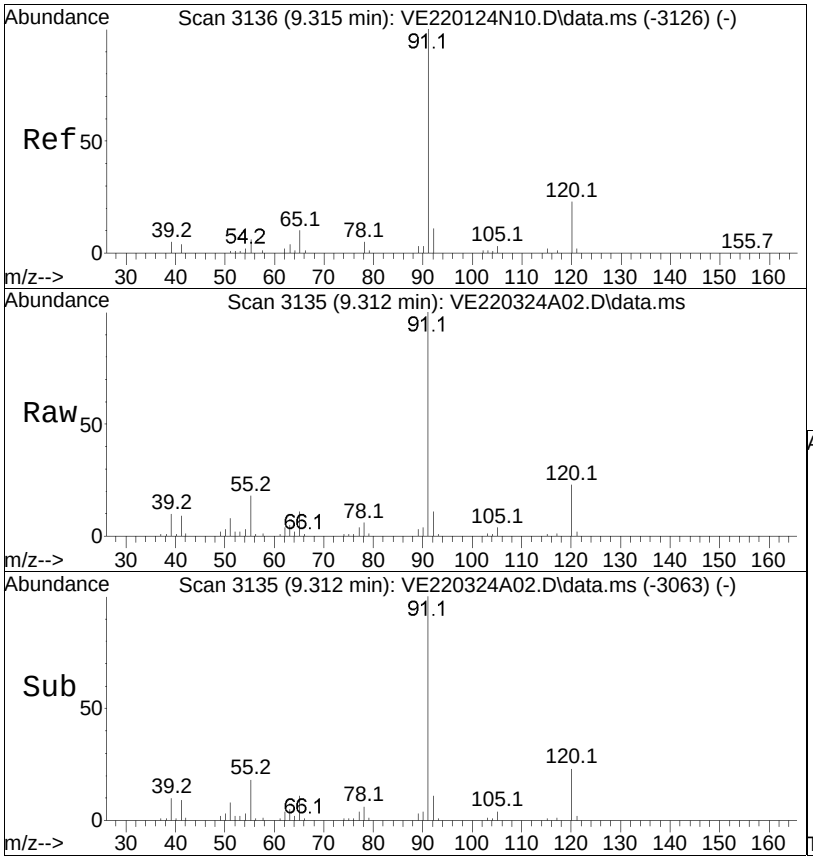


#84
Bromobenzene
Concen: 9.39 ug/L
RT: 9.274 min Scan# 3121
Delta R.T. -0.002 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:156 Resp: 33933

Ion	Ratio	Lower	Upper
156	100		
158	95.1	75.9	113.9

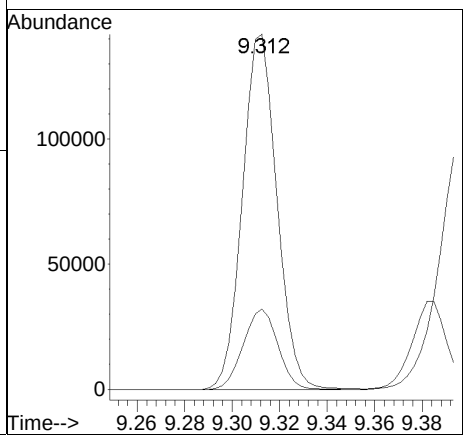


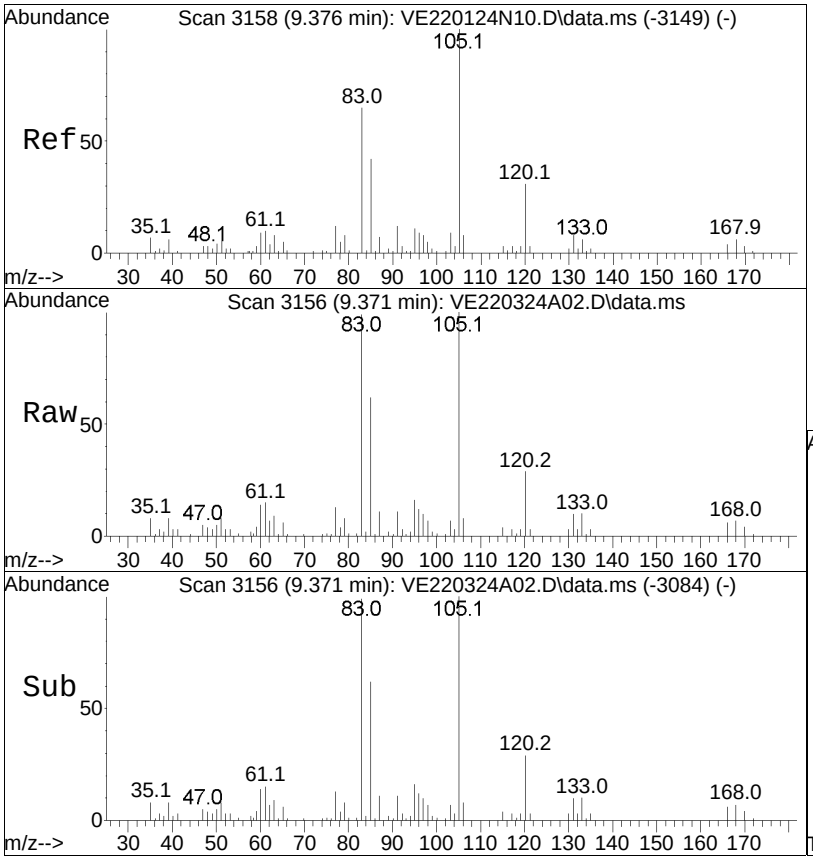


#85
n-Propylbenzene
Concen: 8.91 ug/L
RT: 9.312 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 91 Resp: 143141

Ion	Ratio	Lower	Upper
91	100		
120	22.7	17.0	25.6

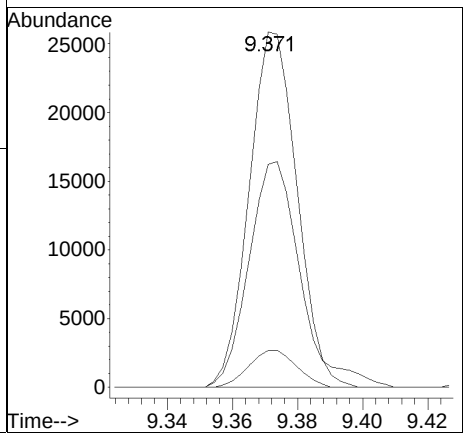


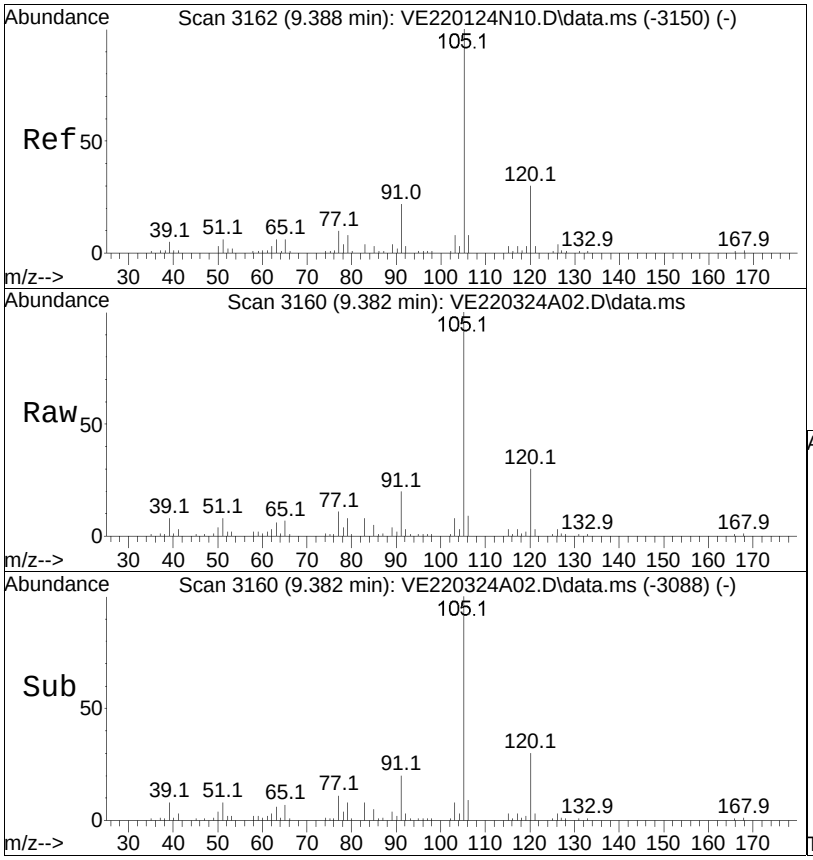


#87
1,1,2,2-Tetrachloroethane
Concen: 9.10 ug/L
RT: 9.371 min Scan# 3156
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 83 Resp: 26451

Ion	Ratio	Lower	Upper
83	100		
131	10.5	0.0	30.4
85	68.7	45.4	85.4

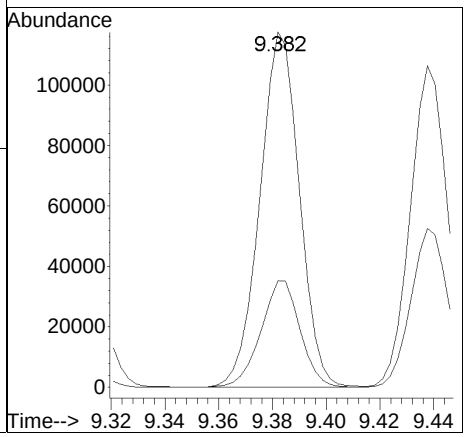


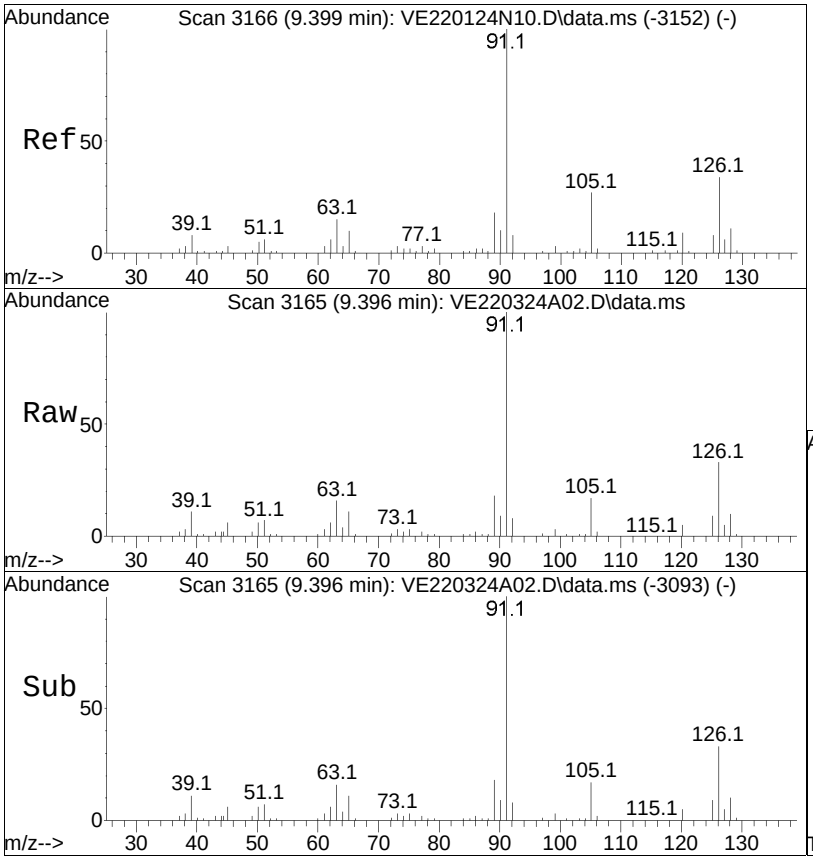


#88
4-Ethyltoluene
Concen: 9.03 ug/L
RT: 9.382 min Scan# 3160
Delta R.T. 0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:105 Resp: 120018

Ion	Ratio	Lower	Upper
105	100		
120	29.9	18.1	37.7

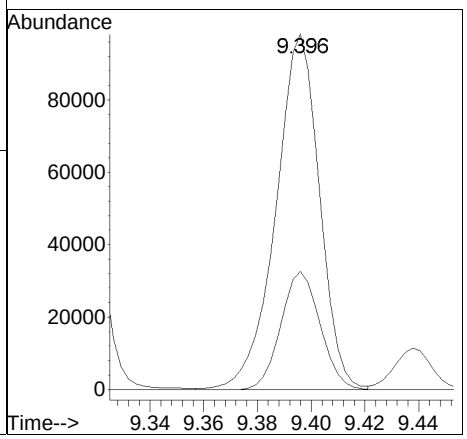


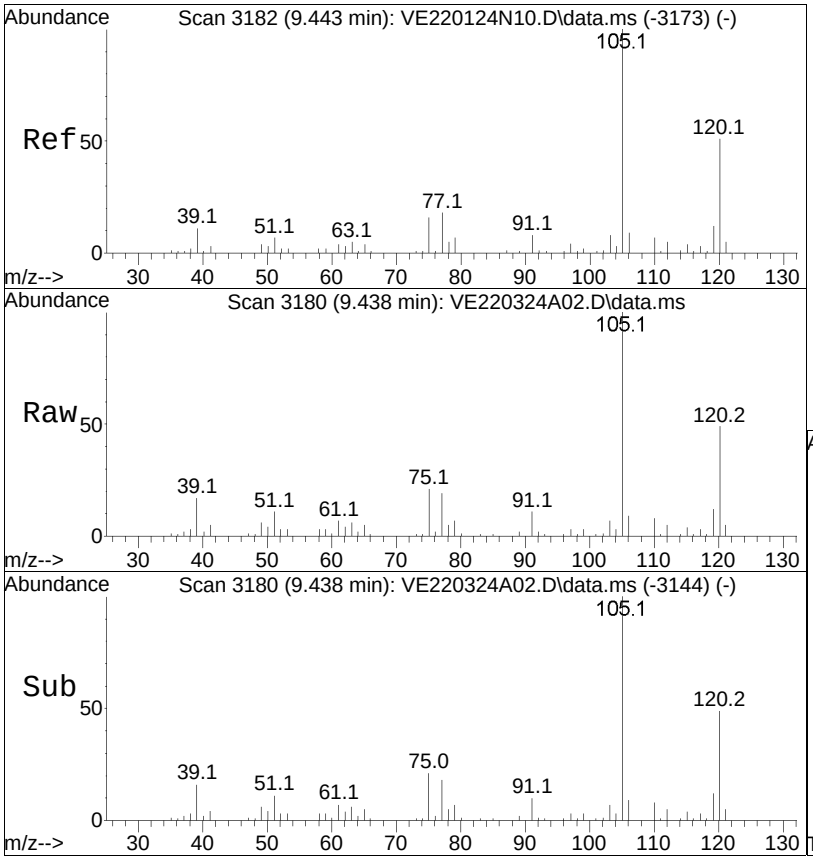


#89
2-Chlorotoluene
Concen: 9.25 ug/L
RT: 9.396 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 91 Resp: 110844

Ion	Ratio	Lower	Upper
91	100		
126	29.8	21.5	32.3

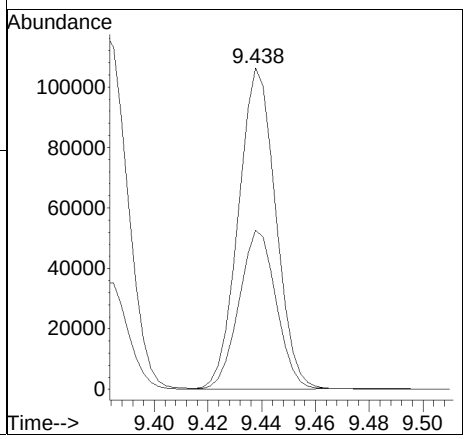


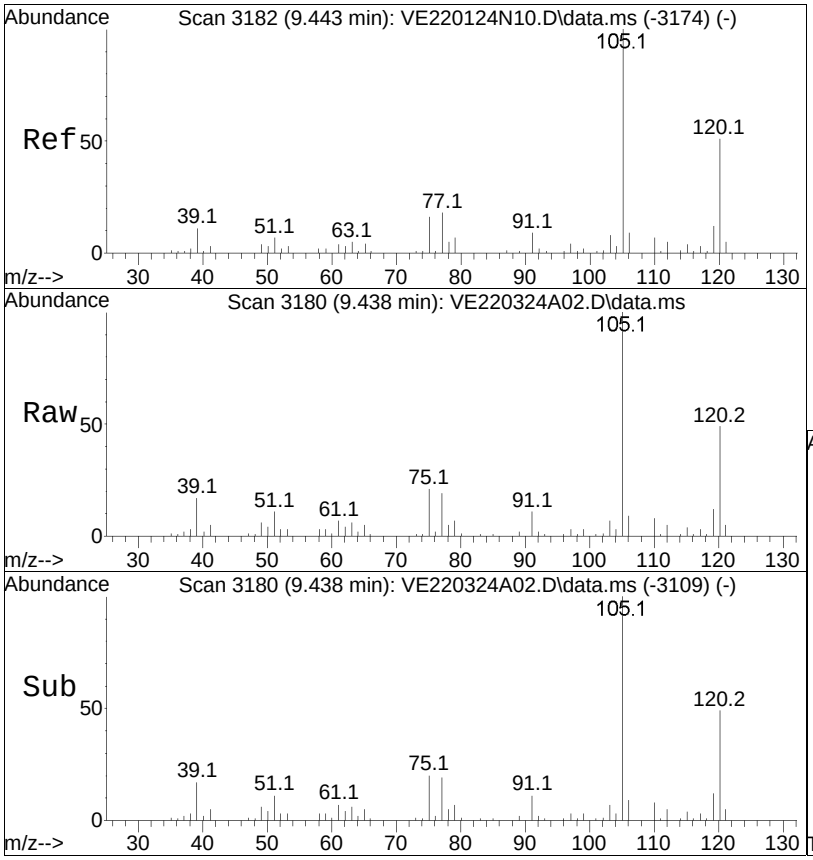


#90
1,3,5-Trimethylbenzene
Concen: 9.06 ug/L
RT: 9.438 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:105 Resp: 102379

Ion	Ratio	Lower	Upper
105	100		
120	49.9	34.8	52.2

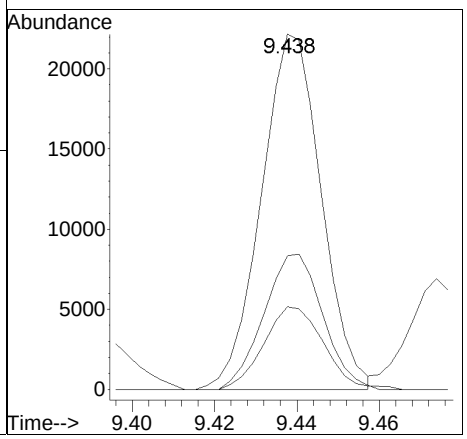


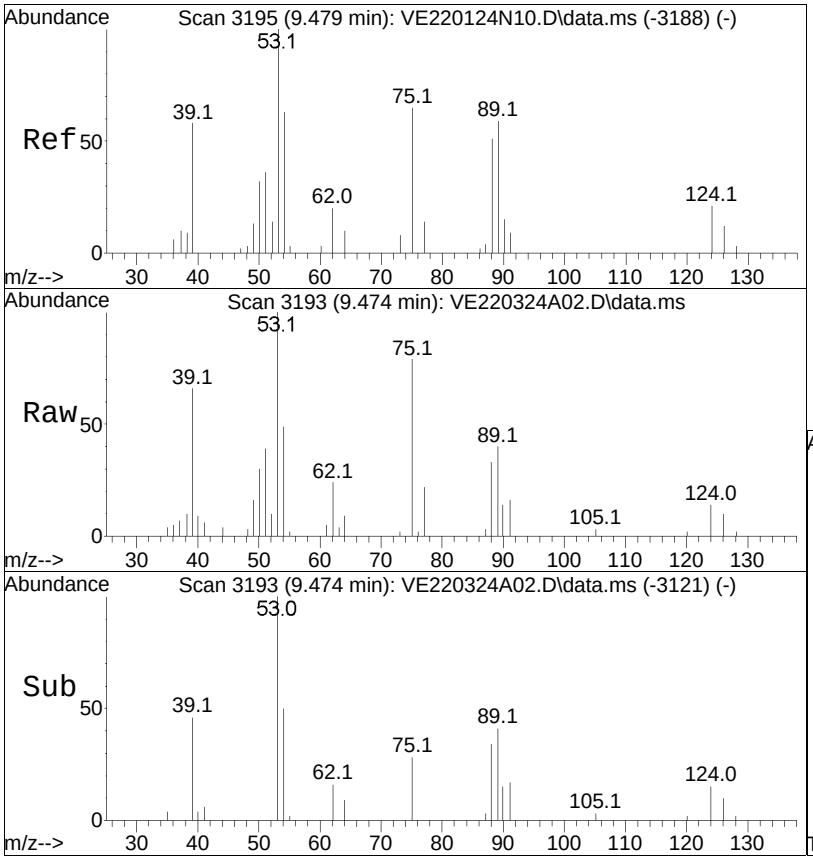


#91
1,2,3-Trichloropropane
Concen: 9.04 ug/L
RT: 9.438 min Scan# 3180
Delta R.T. -0.002 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 75 Resp: 22430

Ion	Ratio	Lower	Upper
75	100		
110	37.4	25.4	52.8
112	23.2	15.6	32.4

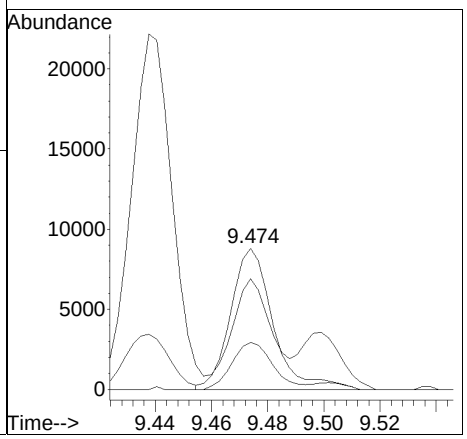


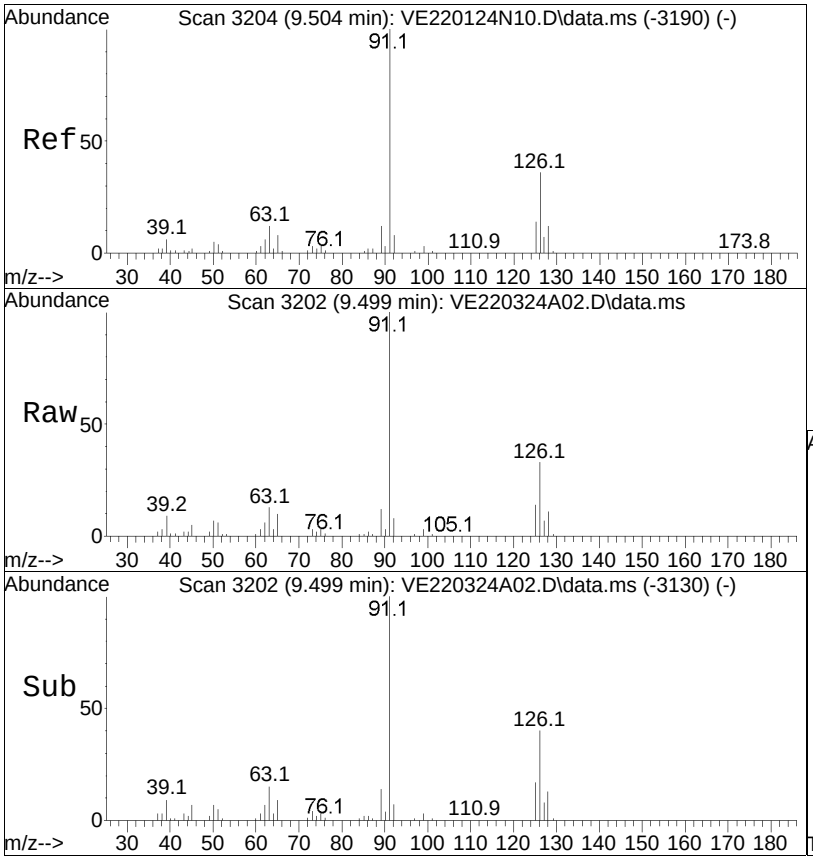


#92
trans-1,4-Dichloro-2-butene
Concen: 8.98 ug/L
RT: 9.474 min Scan# 3193
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 53 Resp: 9255

Ion	Ratio	Lower	Upper
53	100		
88	32.0	39.6	59.4#
75	74.2	70.2	105.4

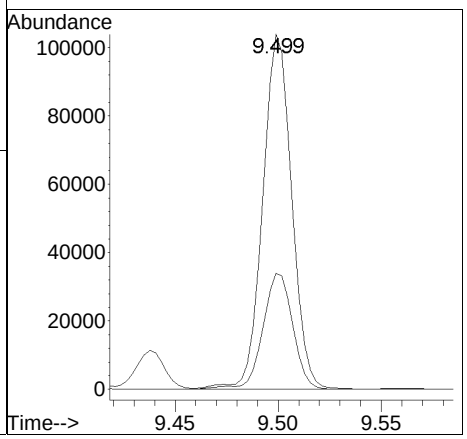


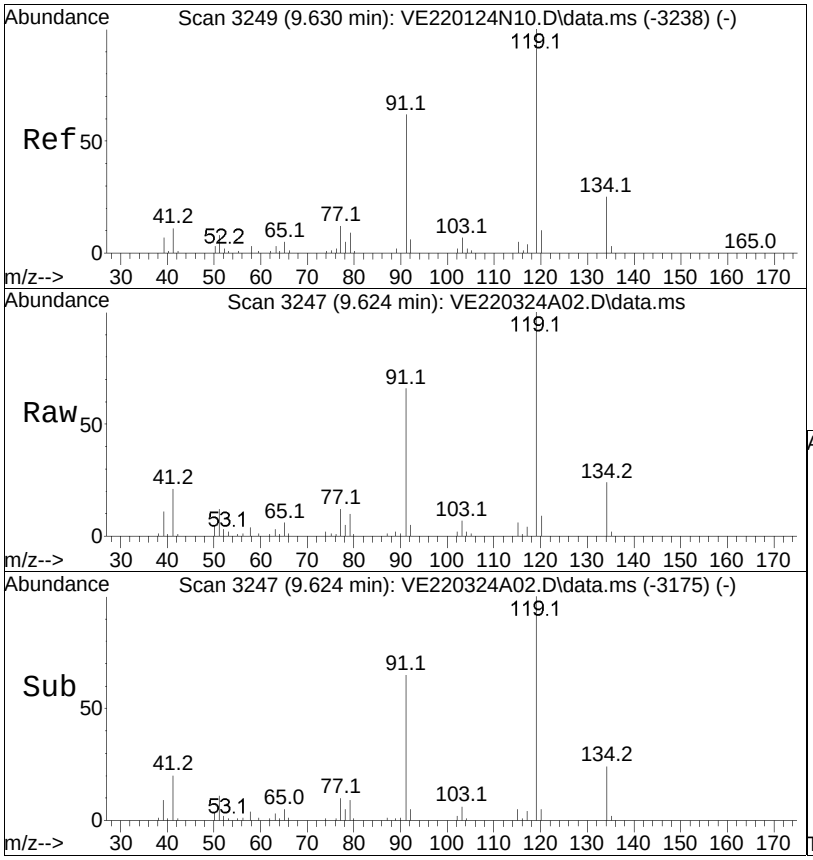


#93
4-Chlorotoluene
Concen: 9.29 ug/L
RT: 9.499 min Scan# 3202
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 91 Resp: 101982

Ion	Ratio	Lower	Upper
91	100		
126	33.7	24.6	36.8

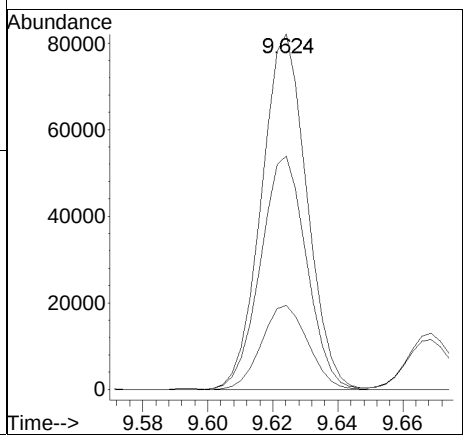


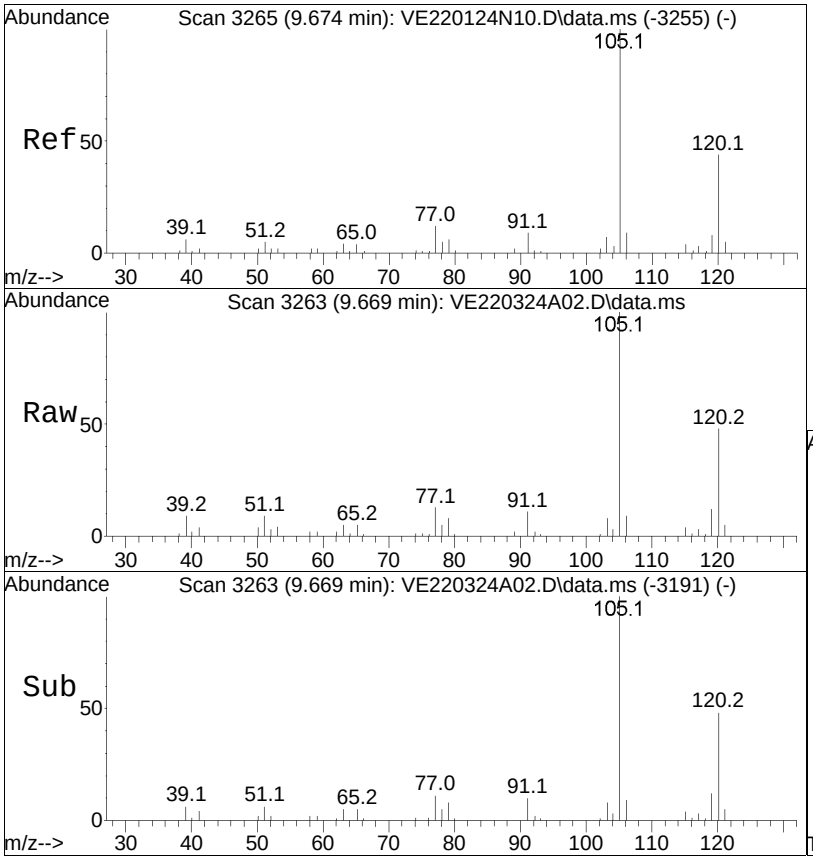


#94
tert-Butylbenzene
Concen: 8.79 ug/L
RT: 9.624 min Scan# 3247
Delta R.T. 0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:119 Resp: 79546

Ion	Ratio	Lower	Upper
119	100		
91	66.7	51.4	77.2
134	24.2	18.3	27.5

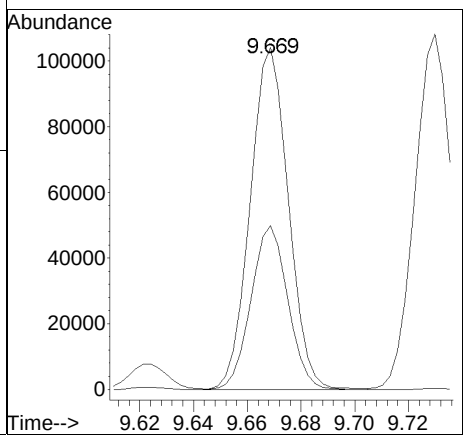


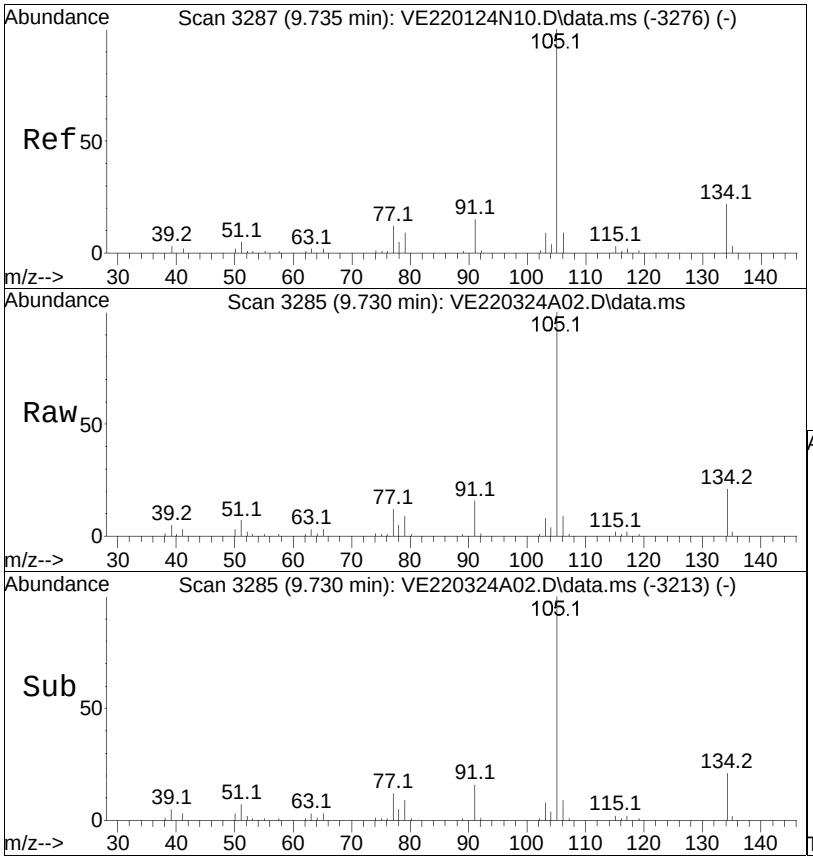


#97
1,2,4-Trimethylbenzene
Concen: 8.90 ug/L
RT: 9.669 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:105 Resp: 102539

Ion	Ratio	Lower	Upper
105	100		
120	46.2	33.4	50.0

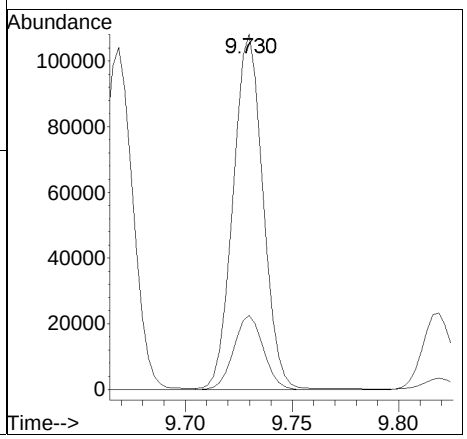


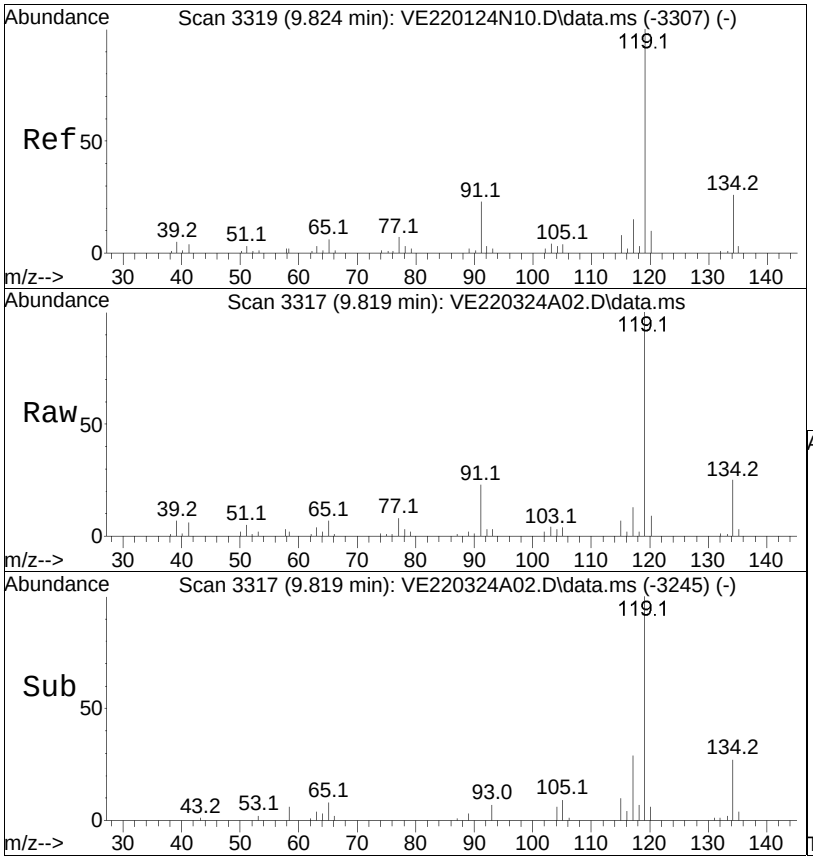


#98
sec-Butylbenzene
Concen: 8.81 ug/L
RT: 9.730 min Scan# 3285
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:105 Resp: 105648

Ion	Ratio	Lower	Upper
105	100		
134	20.4	12.5	26.1

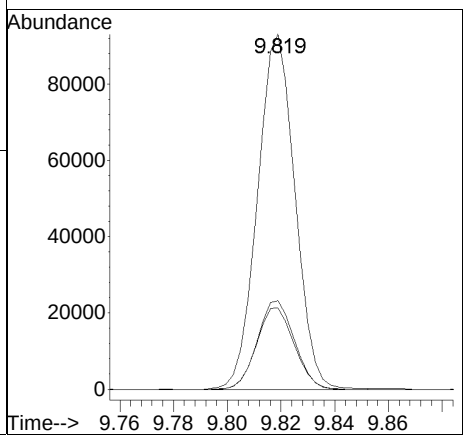


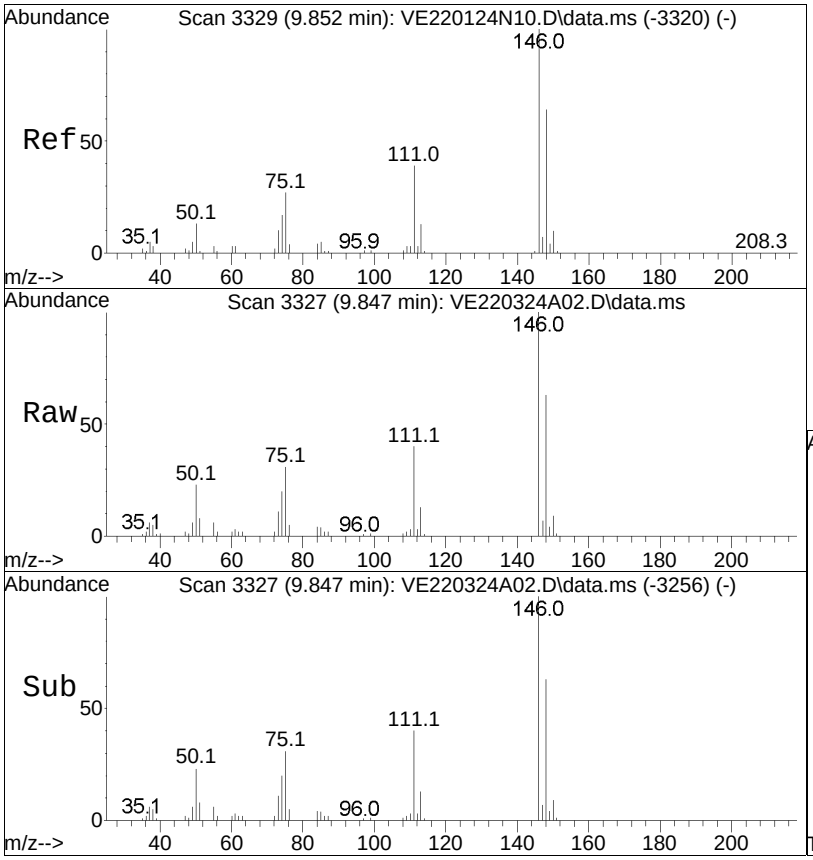


#99
p-Isopropyltoluene
Concen: 8.31 ug/L
RT: 9.819 min Scan# 3317
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:119 Resp: 90188

Ion	Ratio	Lower	Upper
119	100		
134	24.8	16.1	33.3
91	23.2	17.3	35.9

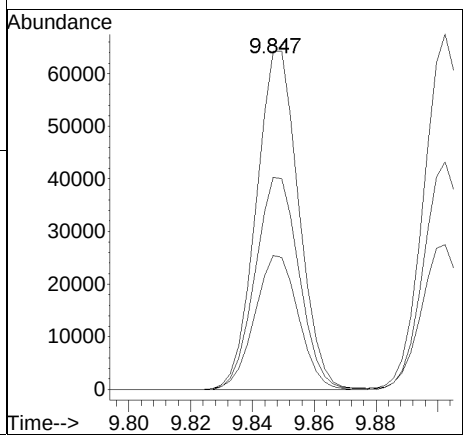


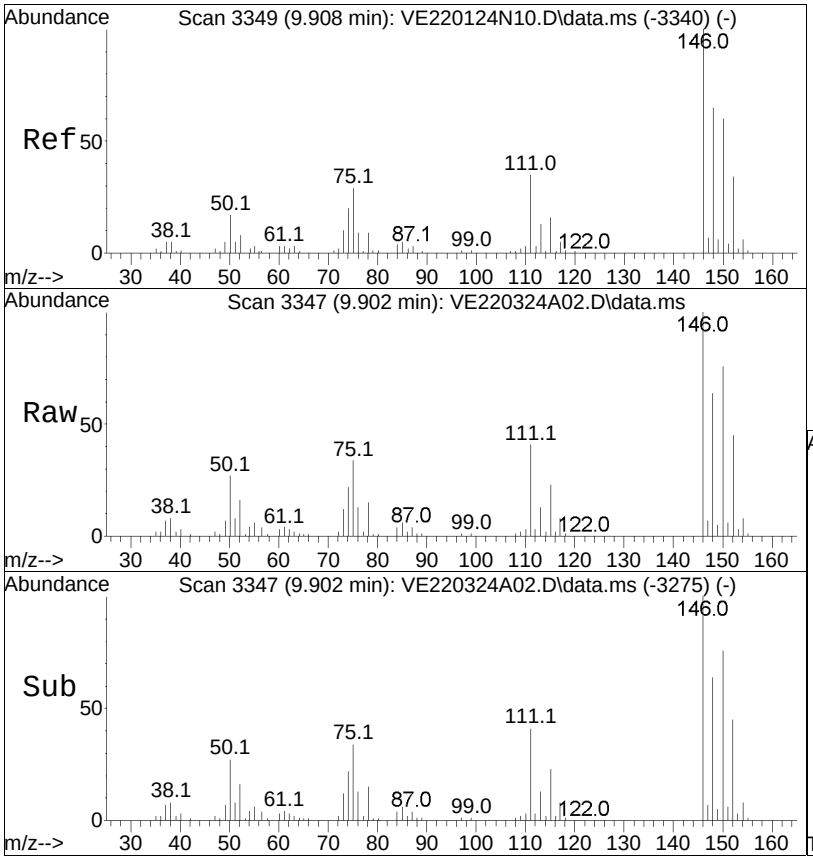


#100
1,3-Dichlorobenzene
Concen: 9.51 ug/L
RT: 9.847 min Scan# 3327
Delta R.T. -0.002 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:146 Resp: 61725

Ion	Ratio	Lower	Upper
146	100		
111	40.4	27.5	57.1
148	64.3	41.9	86.9

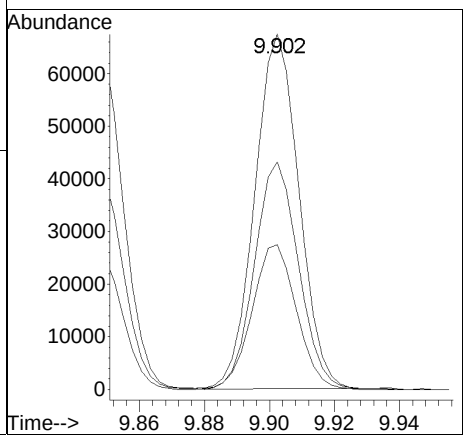


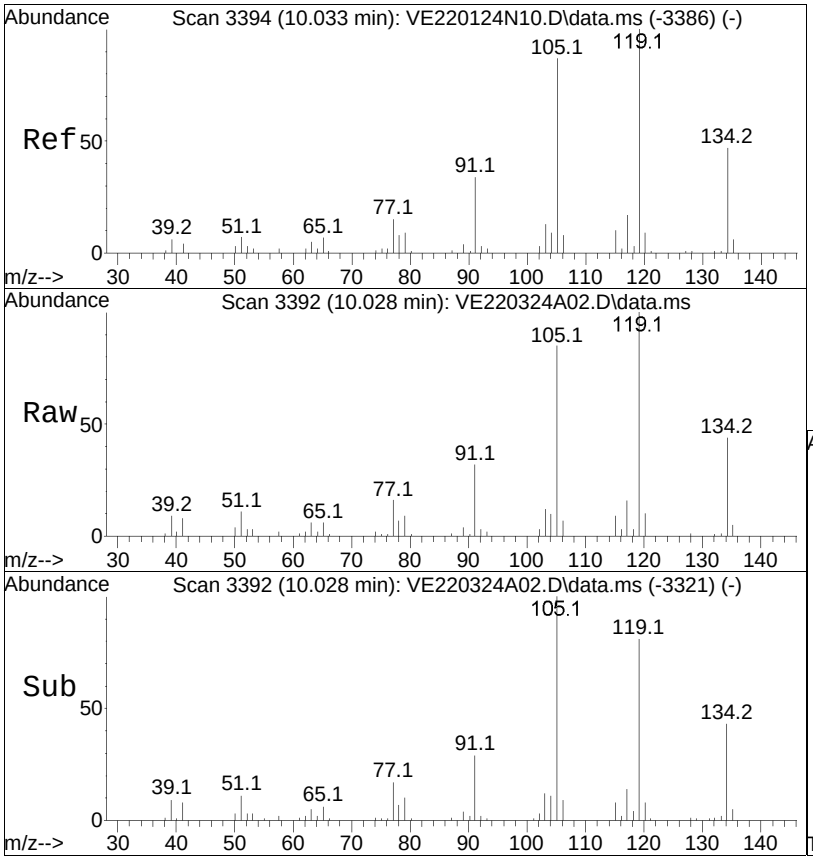


#101
1,4-Dichlorobenzene
Concen: 9.69 ug/L
RT: 9.902 min Scan# 3347
Delta R.T. 0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:146 Resp: 63770

Ion	Ratio	Lower	Upper
146	100		
111	41.1	32.3	48.5
148	64.2	49.9	74.9

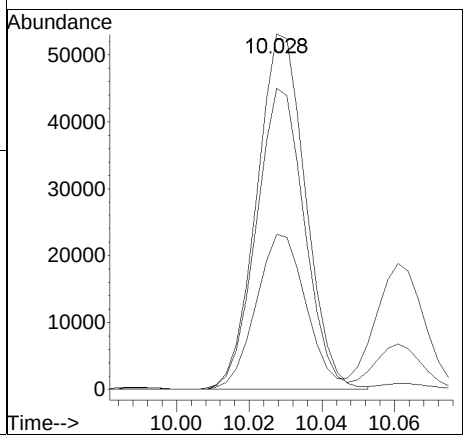


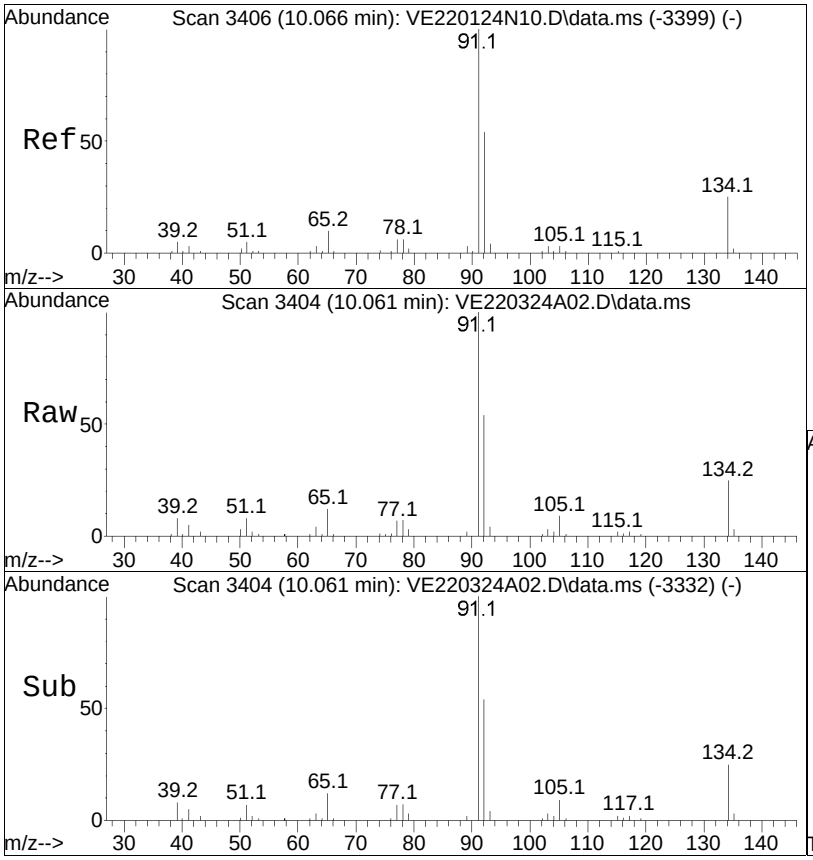


#102
p-Diethylbenzene
Concen: 8.23 ug/L
RT: 10.028 min Scan# 3392
Delta R.T. -0.002 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:119 Resp: 49702

Ion	Ratio	Lower	Upper
119	100		
105	83.5	59.5	123.7
134	44.3	30.2	62.6

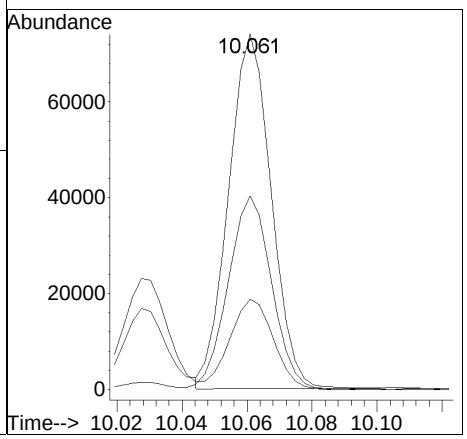


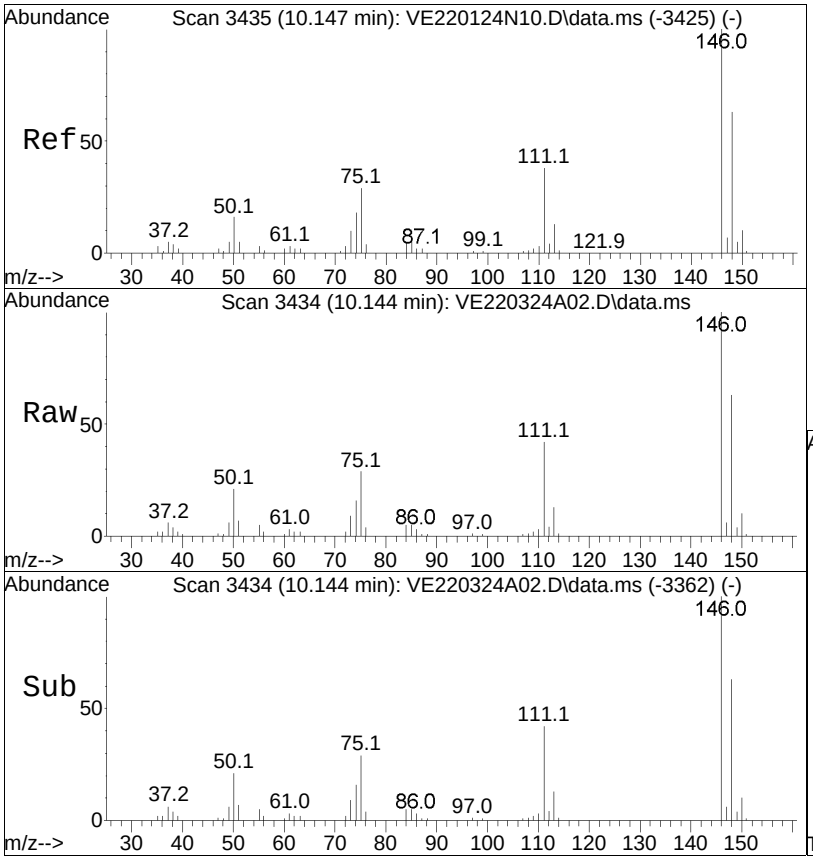


#103
n-Butylbenzene
Concen: 7.99 ug/L
RT: 10.061 min Scan# 3404
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion: 91 Resp: 67306

Ion	Ratio	Lower	Upper
91	100		
92	55.7	43.0	64.4
134	26.1	19.6	29.4

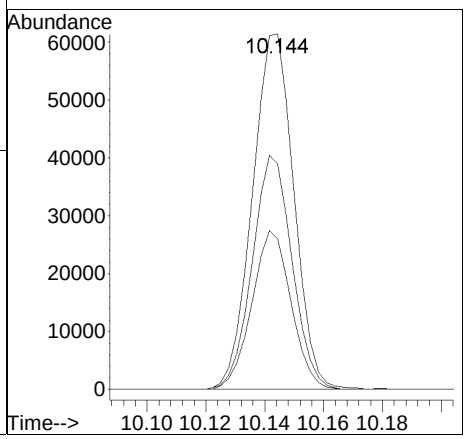


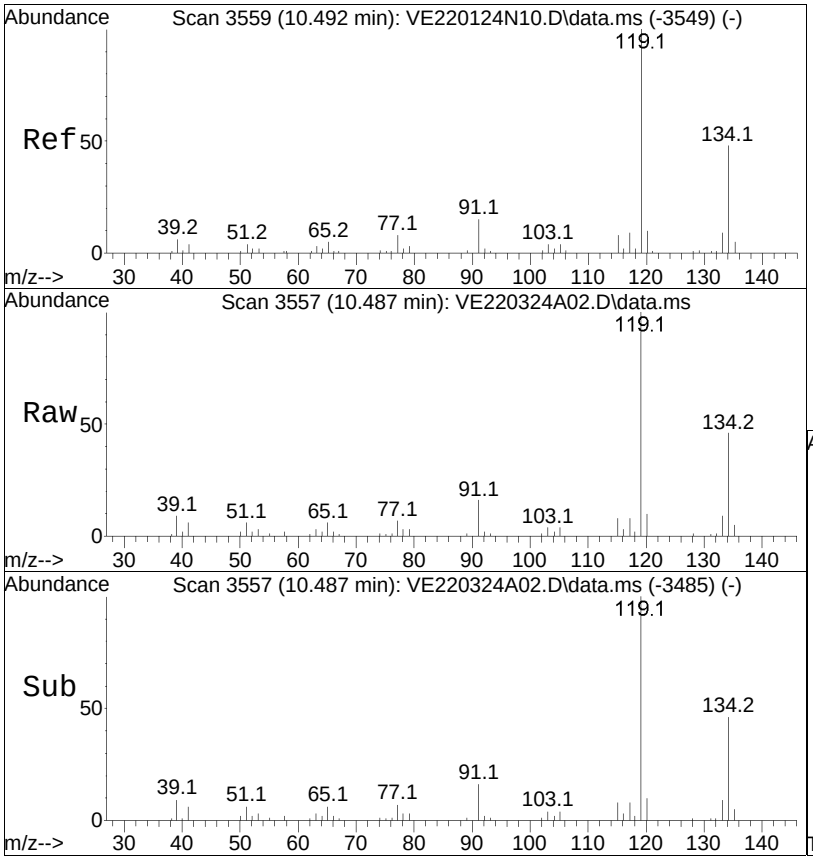


#104
1,2-Dichlorobenzene
Concen: 9.53 ug/L
RT: 10.144 min Scan# 3434
Delta R.T. 0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:146 Resp: 60070

Ion	Ratio	Lower	Upper
146	100		
111	42.3	28.3	58.7
148	63.3	42.3	87.8

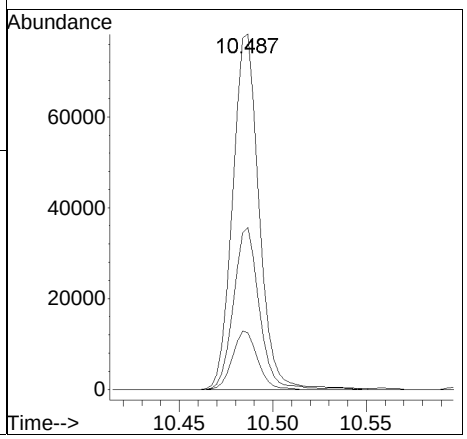


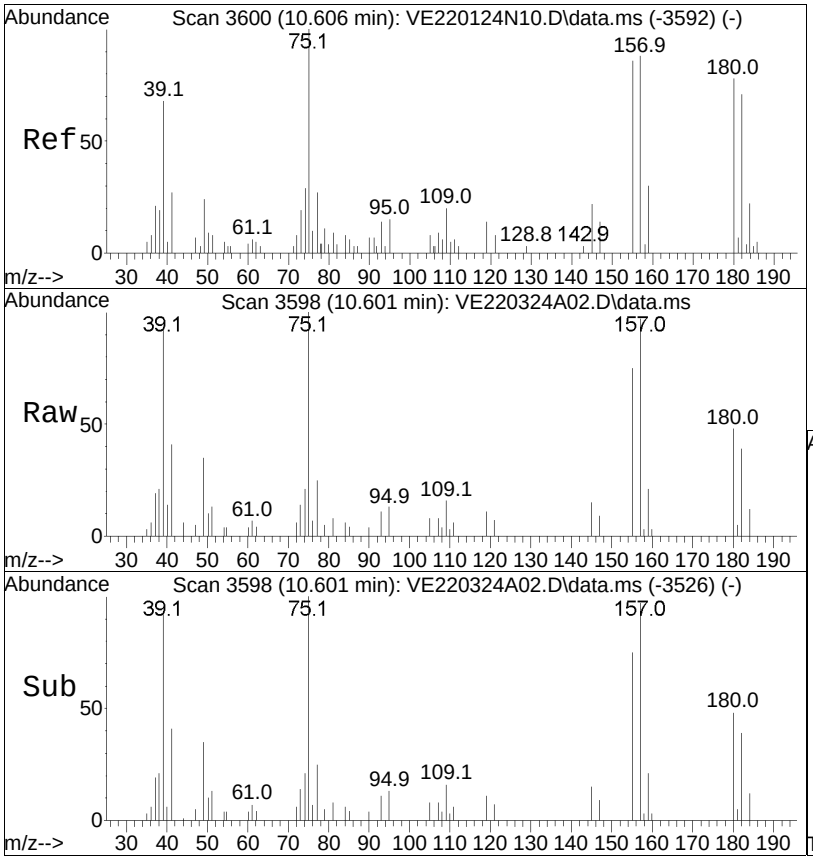


#105
1,2,4,5-Tetramethylbenzene
Concen: 7.99 ug/L
RT: 10.487 min Scan# 3557
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:119 Resp: 76843

Ion	Ratio	Lower	Upper
119	100		
134	44.1	30.5	63.3
91	15.5	12.4	25.7

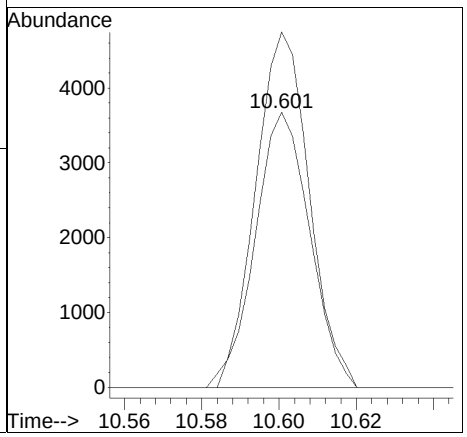


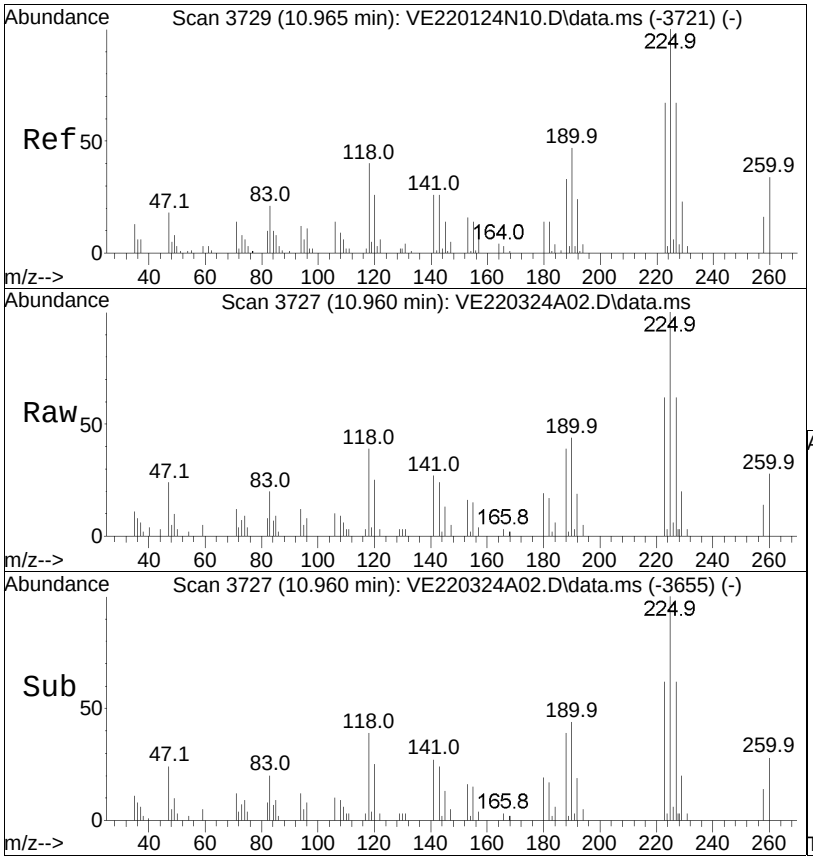


#106
1,2-Dibromo-3-chloropropane
Concen: 9.37 ug/L
RT: 10.601 min Scan# 3598
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:155 Resp: 3618

Ion	Ratio	Lower	Upper
155	100		
157	126.5	94.8	142.2

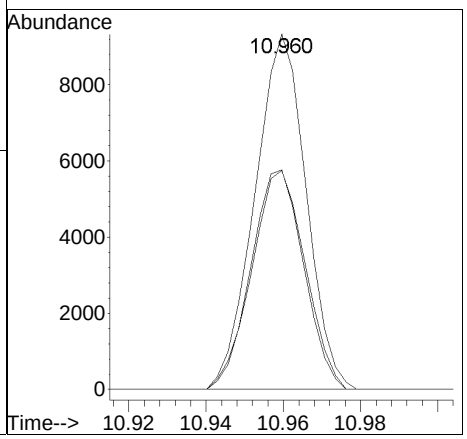


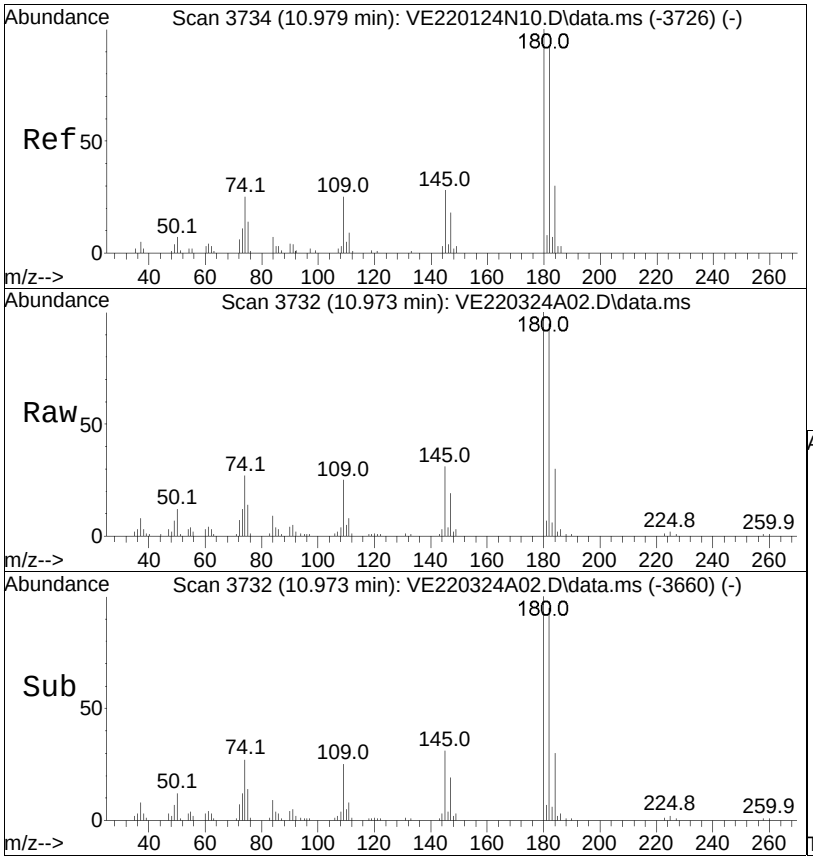


#108
Hexachlorobutadiene
Concen: 8.46 ug/L
RT: 10.960 min Scan# 3727
Delta R.T. -0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:225 Resp: 8628

Ion	Ratio	Lower	Upper
225	100		
223	63.3	54.3	81.5
227	64.1	52.4	78.6

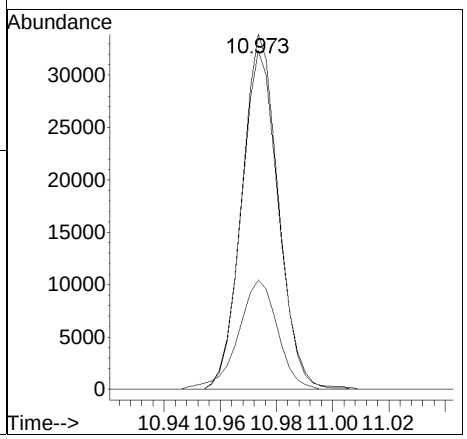


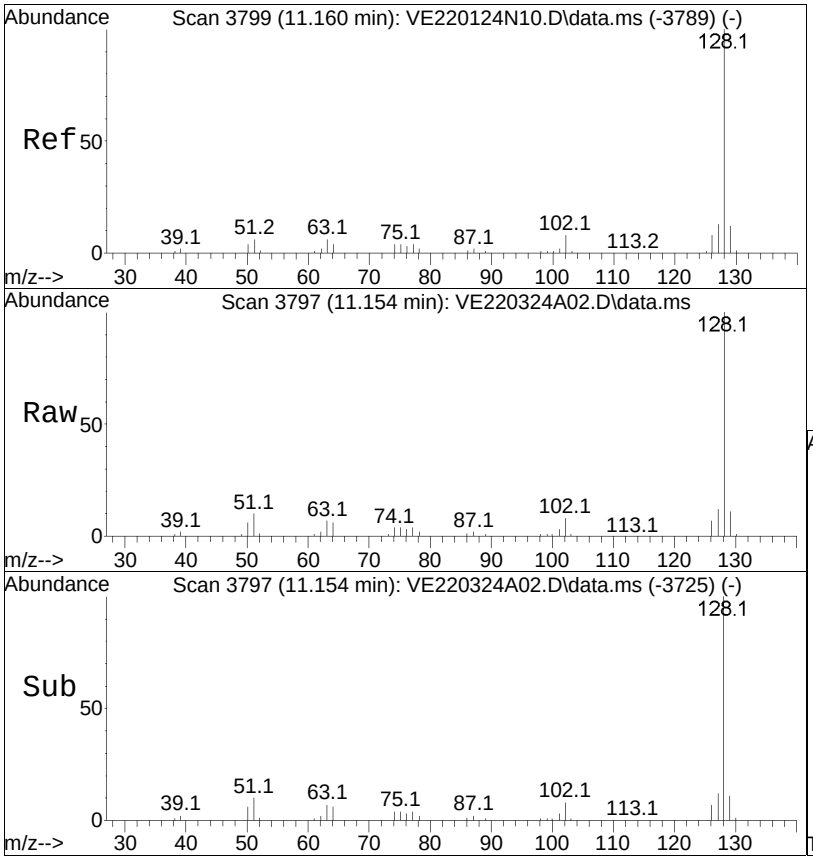


#109
1,2,4-Trichlorobenzene
Concen: 8.69 ug/L
RT: 10.973 min Scan# 3732
Delta R.T. 0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:180 Resp: 30573

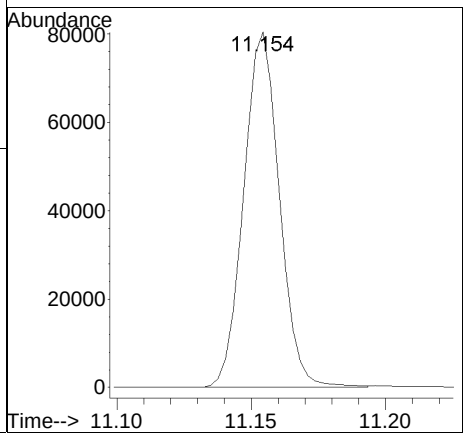
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.3	115.9
145	33.2	28.1	42.1

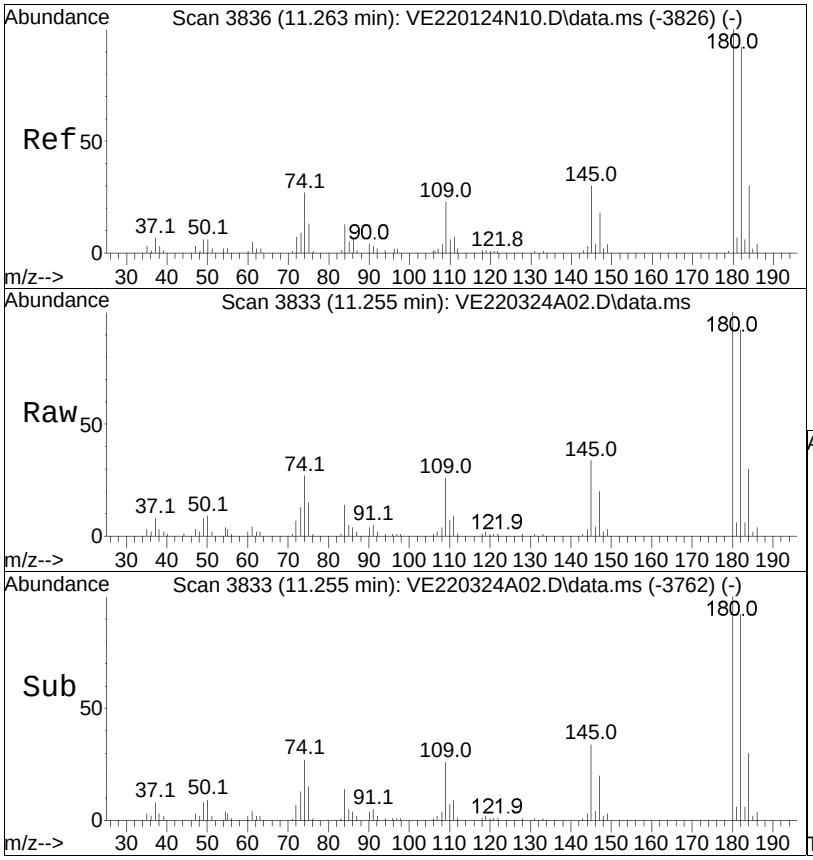




#110
Naphthalene
Concen: 8.20 ug/L
RT: 11.154 min Scan# 3797
Delta R.T. 0.000 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:128 Resp: 74365

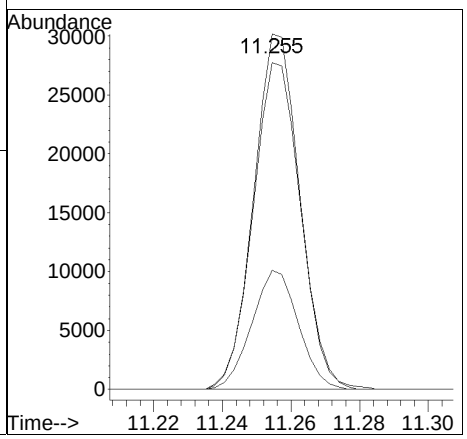




#111
1,2,3-Trichlorobenzene
Concen: 8.72 ug/L
RT: 11.255 min Scan# 3833
Delta R.T. -0.002 min
Lab File: VE220324A02.D
Acq: 24 Mar 2022 7:22 am

Tgt Ion:180 Resp: 28222

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.4	114.6
145	33.8	26.4	39.6



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A02.d
Acq On : 24 Mar 2022 7:27 am
Operator : VOA105:PD
Sample : WG1619815-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 24 08:07:28 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220324A\V05220324A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.860	96	326248	10.000	ug/L	0.00
Standard Area 1 = 325636			Recovery = 100.19%			
59) Chlorobenzene-d5	9.373	117	248458	10.000	ug/L	0.00
Standard Area 1 = 250615			Recovery = 99.14%			
79) 1,4-Dichlorobenzene-d4	12.106	152	141148	10.000	ug/L	0.00
Standard Area 1 = 144196			Recovery = 97.89%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.068	113	90791	10.684	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.84%			
43) 1,2-Dichloroethane-d4	5.586	65	128763	11.514	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 115.14%			
60) Toluene-d8	7.533	98	330315	10.181	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.81%			
83) 4-Bromofluorobenzene	10.881	95	127361	9.965	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.65%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.576	85	83700	11.897	ug/L #	97
3) Chloromethane	1.762	50	99819	8.148	ug/L	98
4) Vinyl chloride	1.840	62	92543	10.422	ug/L	97
5) Bromomethane	2.134	94	46407	10.602	ug/L	98
6) Chloroethane	2.251	64	57262	10.788	ug/L	93
7) Trichlorofluoromethane	2.378	101	146141	14.022	ug/L	99
8) Ethyl ether	2.662	74	30866	11.263	ug/L #	48
10) 1,1-Dichloroethene	2.848	96	72788	11.986	ug/L #	72
11) Carbon disulfide	2.877	76	174628	9.929	ug/L	100
15) Methylene chloride	3.396	84	77997	10.555	ug/L #	50
17) Acetone	3.454	43	15271	9.863	ug/L	97
18) trans-1,2-Dichloroethene	3.542	96	79660	11.308	ug/L	77
20) Methyl tert-butyl ether	3.630	73	160849	11.350	ug/L #	80
23) 1,1-Dichloroethane	4.119	63	176342	10.842	ug/L	95
25) Acrylonitrile	4.188	53	22861	10.514	ug/L #	83
27) Vinyl acetate	4.354	43	163023	9.852	ug/L #	90
28) cis-1,2-Dichloroethene	4.628	96	87857	10.919	ug/L #	77
29) 2,2-Dichloropropane	4.726	77	145261	13.805	ug/L	85
30) Bromochloromethane	4.824	128	39530	11.359	ug/L #	63
32) Chloroform	4.892	83	163683	11.993	ug/L #	94

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A02.d
Acq On : 24 Mar 2022 7:27 am
Operator : VOA105:PD
Sample : WG1619815-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 24 08:07:28 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220324A\V05220324A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.009	117	139450	13.515	ug/L		99
37) 1,1,1-Trichloroethane	5.078	97	151965	12.934	ug/L		93
39) 2-Butanone	5.195	43	23017	8.984	ug/L	#	63
40) 1,1-Dichloropropene	5.195	75	116163	11.602	ug/L		97
41) Benzene	5.440	78	305268	10.503	ug/L	#	84
44) 1,2-Dichloroethane	5.655	62	136960	12.001	ug/L		97
48) Trichloroethene	6.036	95	89112	10.661	ug/L		95
50) Dibromomethane	6.486	93	46118	12.005	ug/L		97
51) 1,2-Dichloropropane	6.574	63	93372	10.243	ug/L	#	88
54) Bromodichloromethane	6.653	83	125137	12.802	ug/L		99
57) 1,4-Dioxane	6.868	88	15624	519.280	ug/L	#	61
58) cis-1,3-Dichloropropene	7.337	75	127372	10.764	ug/L	#	83
61) Toluene	7.592	92	208797	11.173	ug/L		98
62) 4-Methyl-2-pentanone	8.032	58	20333	9.771	ug/L	#	79
63) Tetrachloroethene	8.032	166	98441	11.855	ug/L		96
65) trans-1,3-Dichloropropene	8.090	75	111146	12.188	ug/L	#	81
68) 1,1,2-Trichloroethane	8.266	83	50745	11.430	ug/L		99
69) Chlorodibromomethane	8.482	129	86114	12.812	ug/L		95
70) 1,3-Dichloropropane	8.589	76	121967	11.574	ug/L		100
71) 1,2-Dibromoethane	8.746	107	68854	11.293	ug/L		98
72) 2-Hexanone	9.049	43	36696	9.853	ug/L		96
73) Chlorobenzene	9.392	112	247383	11.904	ug/L		94
74) Ethylbenzene	9.422	91	439502	11.853	ug/L		96
75) 1,1,1,2-Tetrachloroethane	9.471	131	93401	13.009	ug/L		99
76) p/m Xylene	9.608	106	331661	24.001	ug/L		95
77) o Xylene	10.156	106	316918	24.016	ug/L		94
78) Styrene	10.225	104	520623	24.139	ug/L		96
80) Bromoform	10.264	173	47938	11.928	ug/L		98
82) Isopropylbenzene	10.548	105	467706	11.886	ug/L		100
84) Bromobenzene	10.999	156	106022	12.100	ug/L		100
85) n-Propylbenzene	11.038	91	540129	11.978	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.146	83	66576	10.886	ug/L		98
88) 4-Ethyltoluene	11.165	105	461887	12.311	ug/L		99
89) 2-Chlorotoluene	11.205	91	326661M6	11.906	ug/L		
90) 1,3,5-Trimethylbenzene	11.263	105	396402	12.080	ug/L		100
91) 1,2,3-Trichloropropane	11.283	75	58766M1	10.935	ug/L		
92) trans-1,4-Dichloro-2-b...	11.332	53	25238	10.726	ug/L	#	85
93) 4-Chlorotoluene	11.391	91	340096	11.900	ug/L		95
94) tert-Butylbenzene	11.606	119	339302	12.021	ug/L		91

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A02.d
Acq On : 24 Mar 2022 7:27 am
Operator : VOA105:PD
Sample : WG1619815-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 24 08:07:28 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\220324A\V05220324A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.685	105	392260	12.260	ug/L	100
98)	sec-Butylbenzene	11.792	105	481403	11.968	ug/L	100
99)	p-Isopropyltoluene	11.949	119	428983	12.368	ug/L	99
100)	1,3-Dichlorobenzene	12.027	146	207769	12.147	ug/L	99
101)	1,4-Dichlorobenzene	12.125	146	208860	12.056	ug/L	99
102)	p-Diethylbenzene	12.331	119	247240	12.585	ug/L	97
103)	n-Butylbenzene	12.390	91	343858	12.046	ug/L	99
104)	1,2-Dichlorobenzene	12.547	146	188705	12.234	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.125	119	365652	12.742	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.330	155	10517	10.970	ug/L	93
108)	Hexachlorobutadiene	13.928	225	57561	13.057	ug/L	98
109)	1,2,4-Trichlorobenzene	13.957	180	112048	12.561	ug/L	97
110)	Naphthalene	14.251	128	206175	12.112	ug/L	100
111)	1,2,3-Trichlorobenzene	14.418	180	91525	12.366	ug/L	99

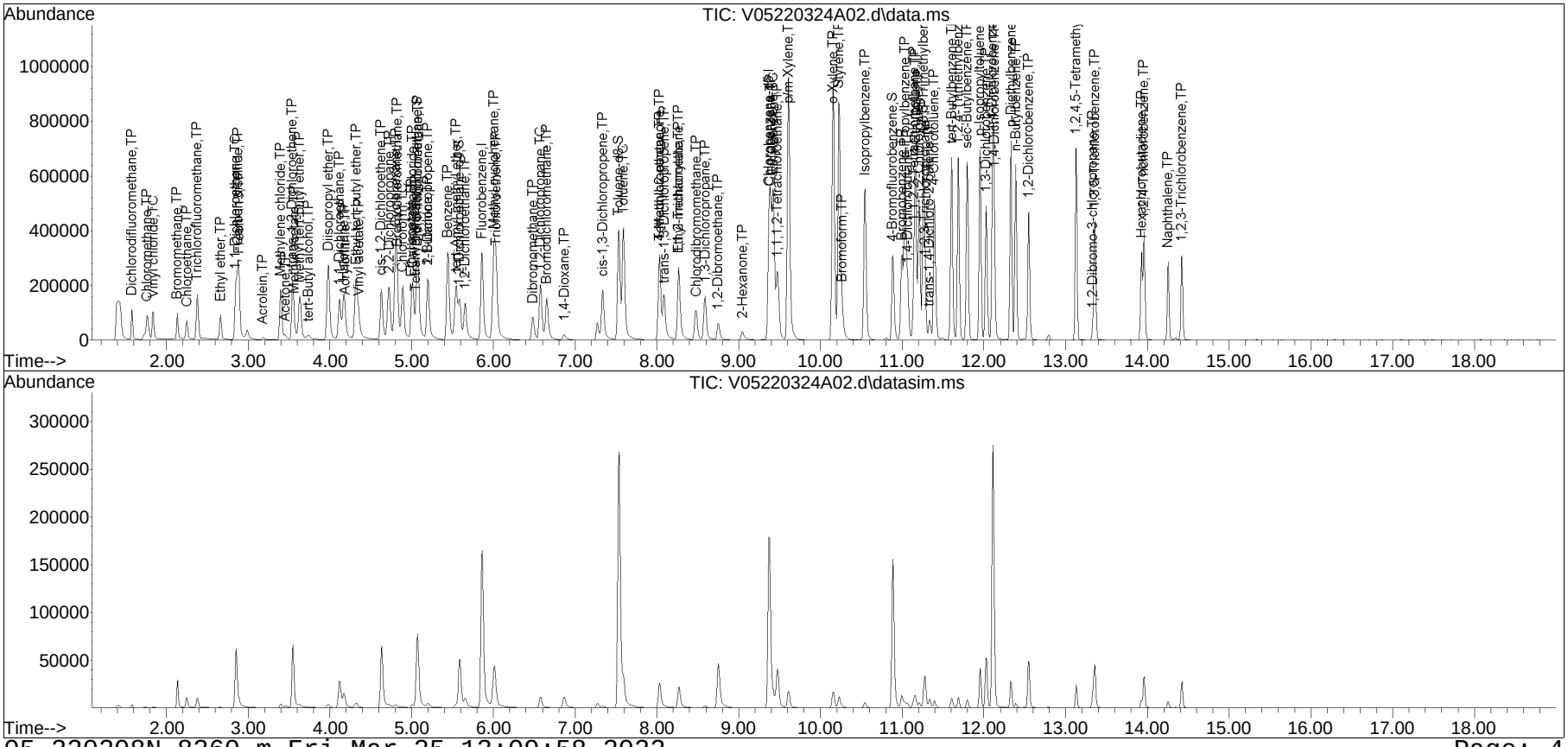
(#) = qualifier out of range (m) = manual integration (+) = signals summed

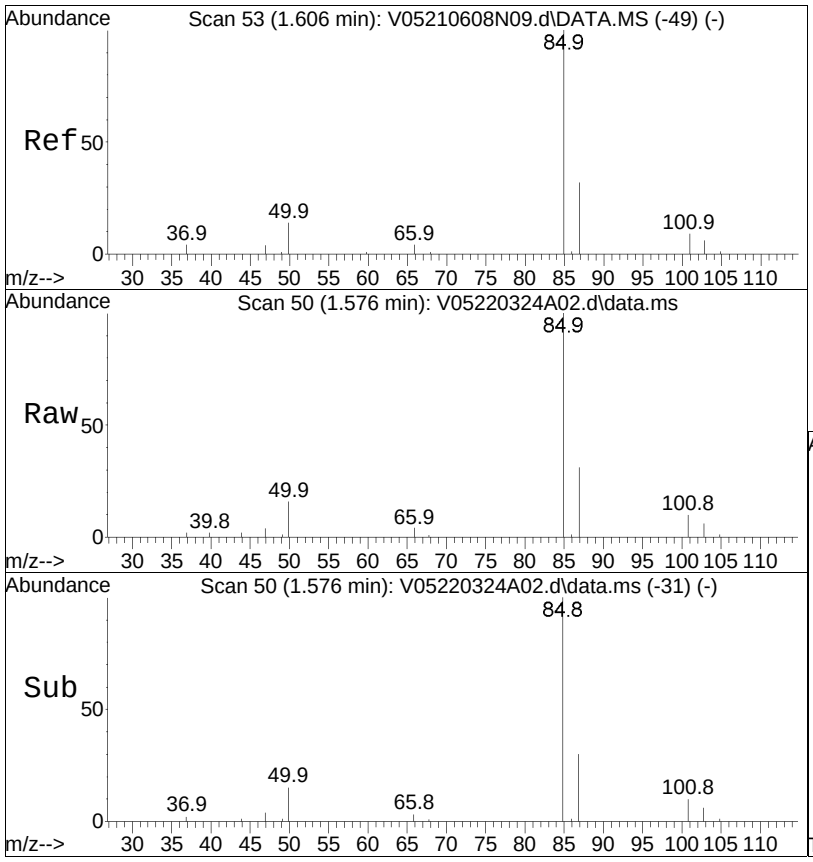
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\220324A\
Data File : V05220324A02.d
Acq On : 24 Mar 2022 7:27 am
Operator : VOA105:PD
Sample : WG1619815-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1619815,ICAL18736 (Sig #1); WG,ICAL18736 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 24 08:07:28 2022
Quant Method : I:\VOLATILES\VOA105\2022\220324A\V105_220208N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Feb 09 11:34:23 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

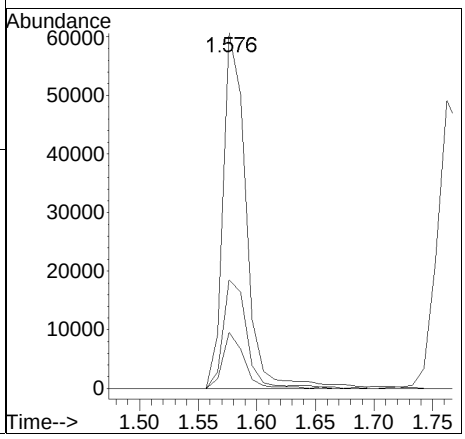


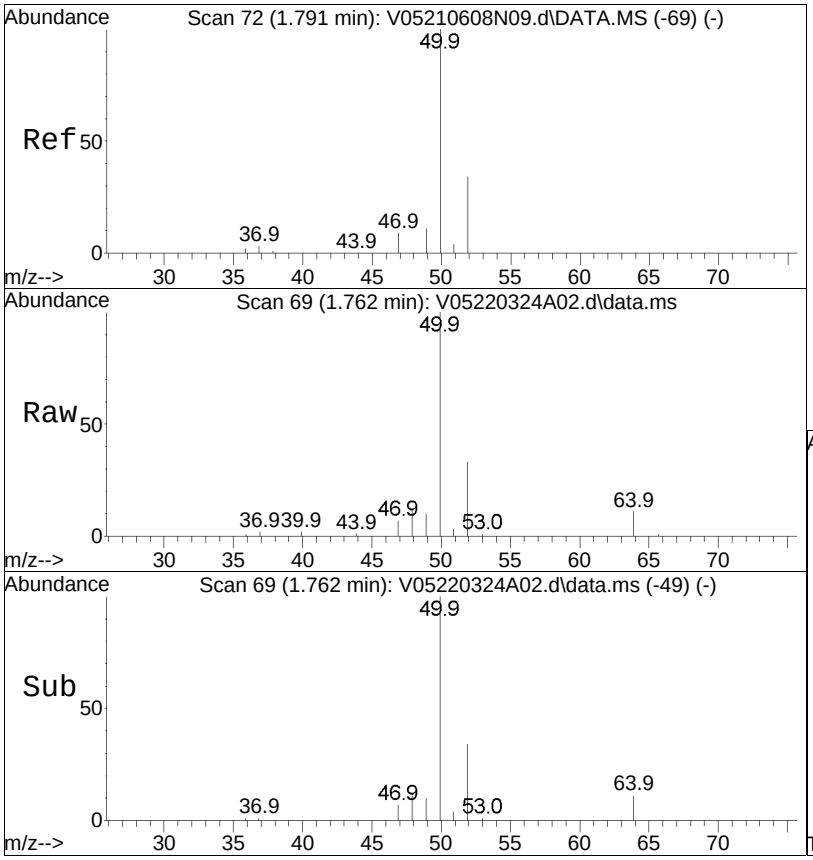


#2
Dichlorodifluoromethane
Concen: 11.90 ug/L
RT: 1.576 min Scan# 50
Delta R.T. -0.010 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 85 Resp: 83700

Ion	Ratio	Lower	Upper
85	100		
87	31.8	20.9	43.5
50	14.7	6.8	14.0#

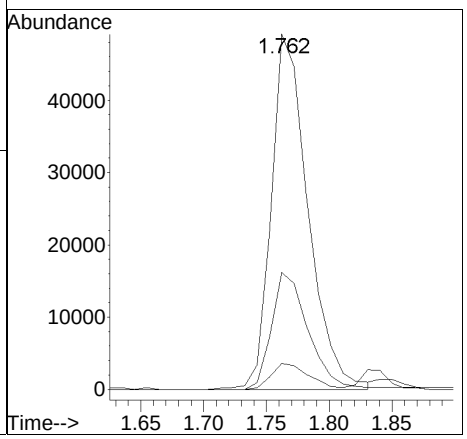


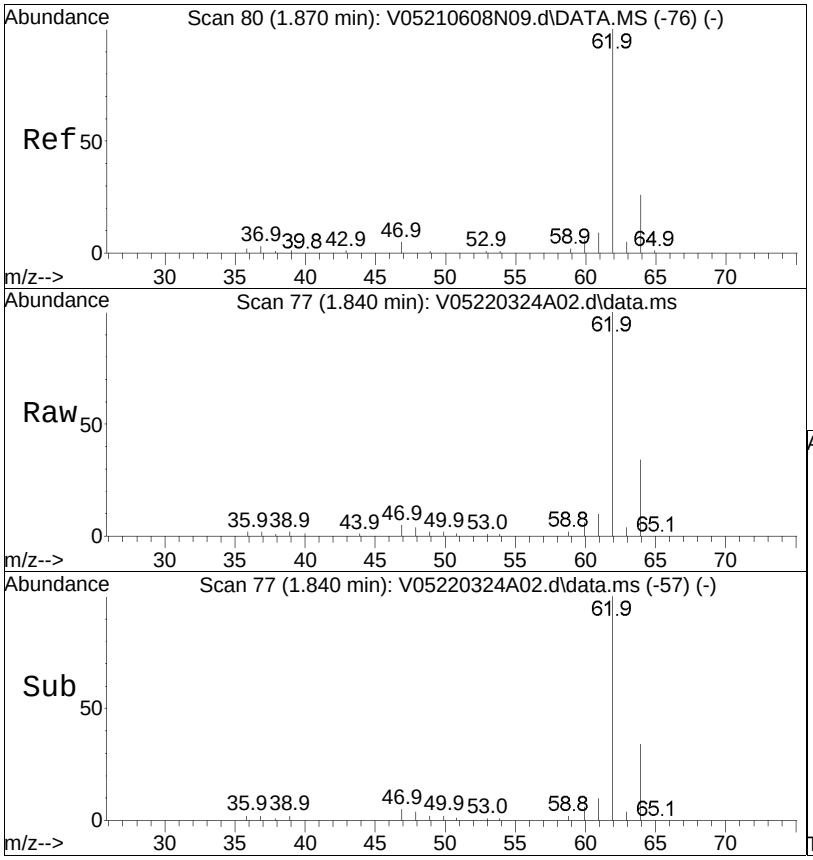


#3
Chloromethane
Concen: 8.15 ug/L
RT: 1.762 min Scan# 69
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 50 Resp: 99819

Ion	Ratio	Lower	Upper
50	100		
52	32.9	12.6	52.6
47	7.5	0.0	30.1

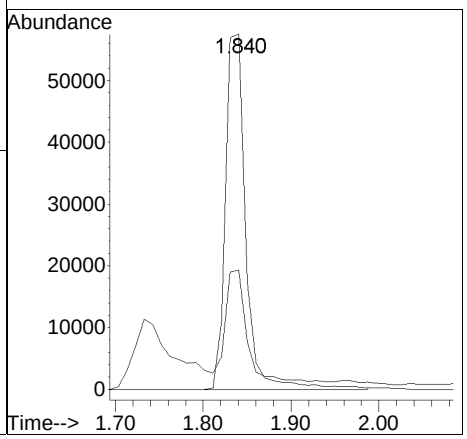


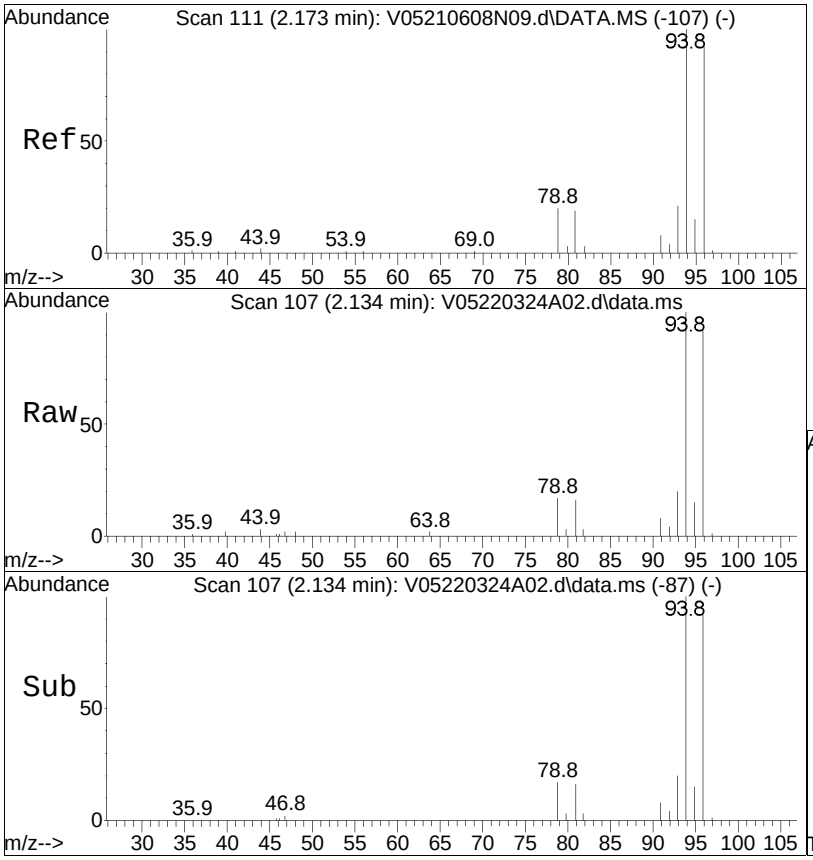


#4
Vinyl chloride
Concen: 10.42 ug/L
RT: 1.840 min Scan# 77
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 62 Resp: 92543

Ion	Ratio	Lower	Upper
62	100		
64	35.4	13.5	53.5

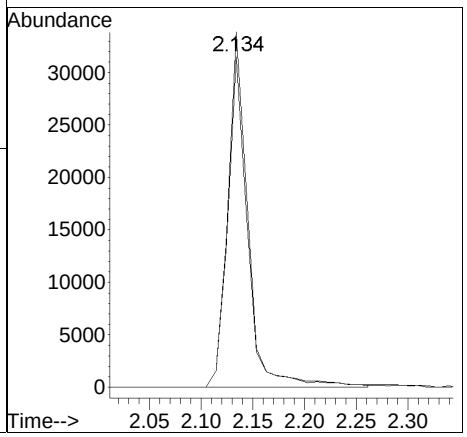


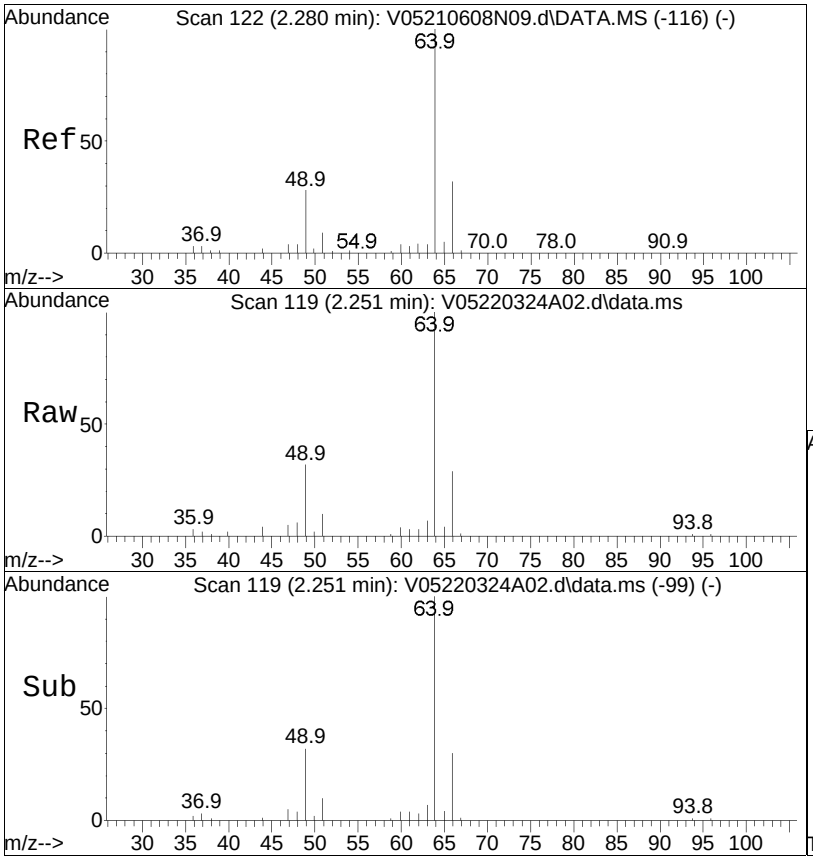


#5
Bromomethane
Concen: 10.60 ug/L
RT: 2.134 min Scan# 107
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 94 Resp: 46407

Ion	Ratio	Lower	Upper
94	100		
96	93.2	75.4	115.4

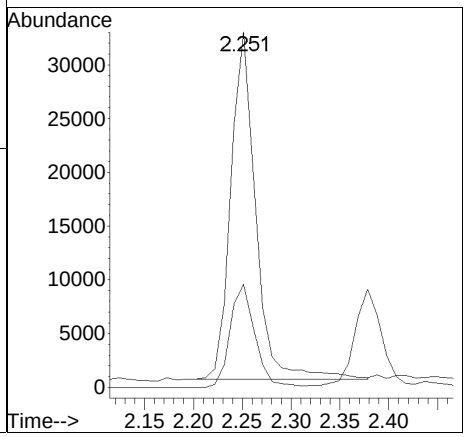


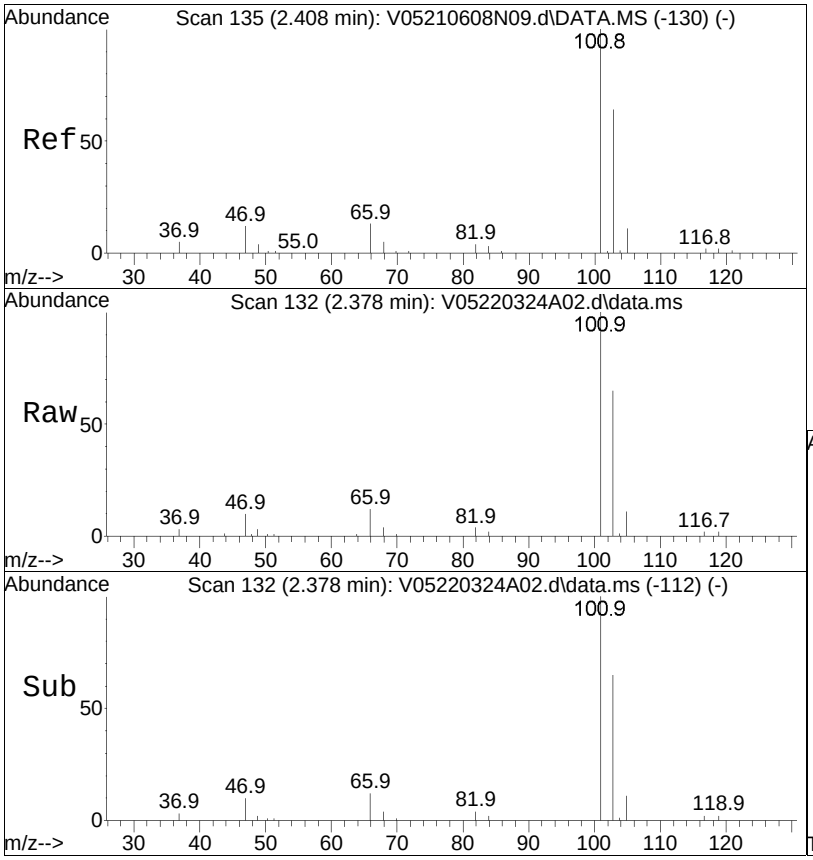


#6
Chloroethane
Concen: 10.79 ug/L
RT: 2.251 min Scan# 119
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 64 Resp: 57262

Ion	Ratio	Lower	Upper
64	100		
66	29.6	13.8	53.8

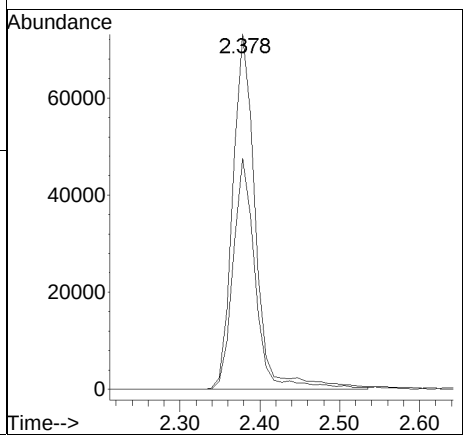


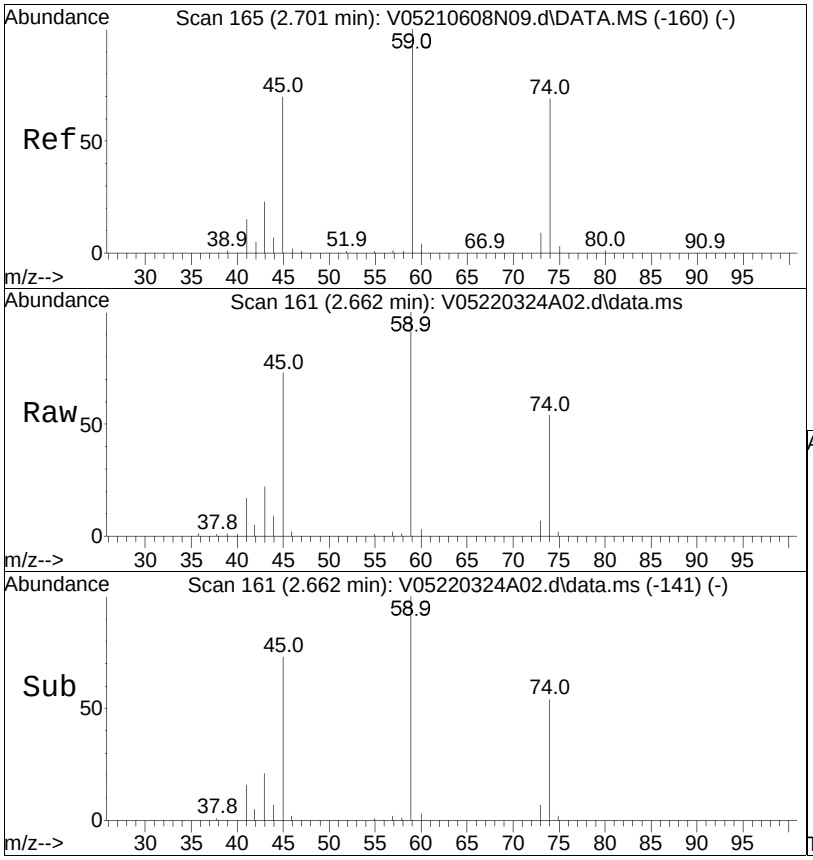


#7
Trichlorofluoromethane
Concen: 14.02 ug/L
RT: 2.378 min Scan# 132
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:101 Resp: 146141

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.8	77.6

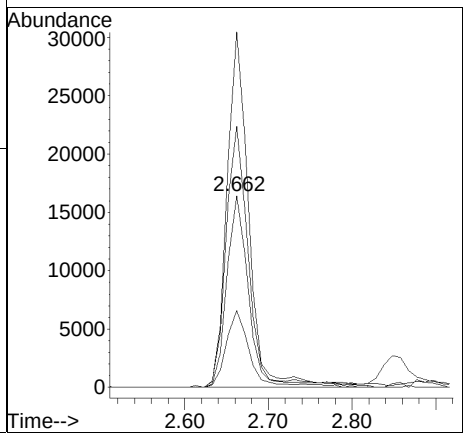


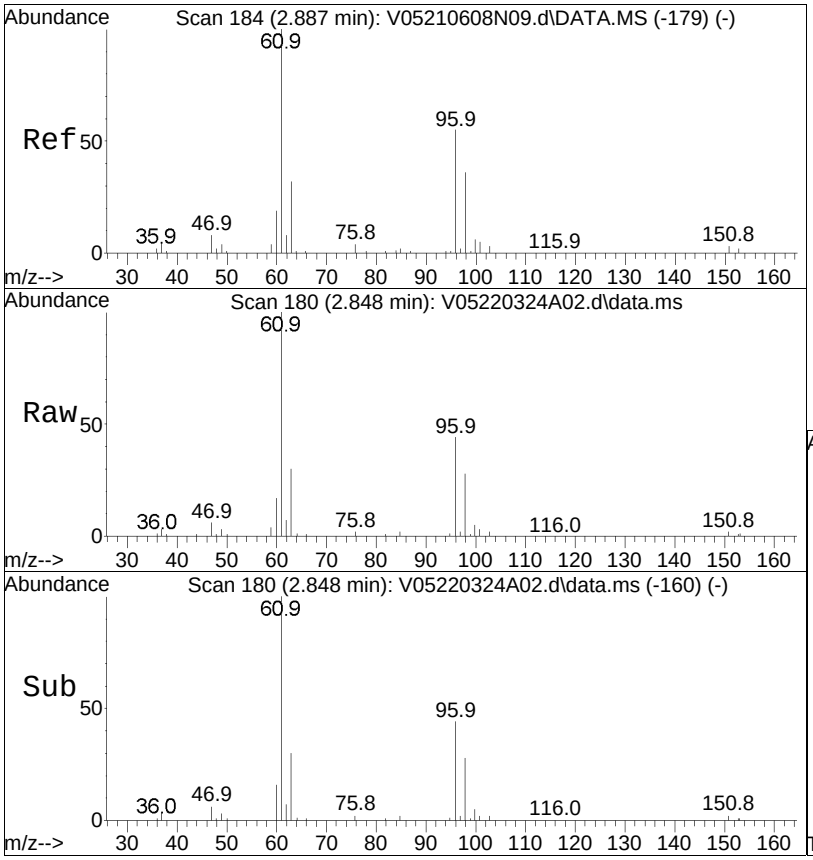


#8
Ethyl ether
Concen: 11.26 ug/L
RT: 2.662 min Scan# 161
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 74 Resp: 30866

Ion	Ratio	Lower	Upper
74	100		
59	177.2	78.6	163.2#
45	131.0	49.8	103.4#
43	40.7	18.0	37.4#

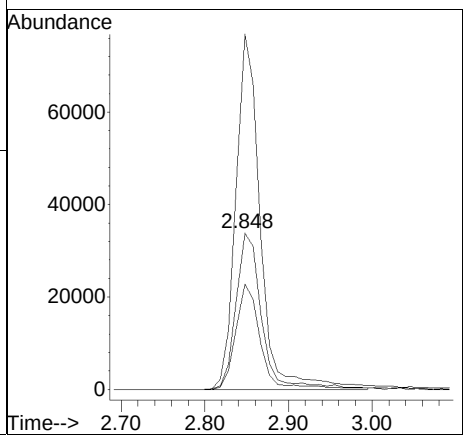


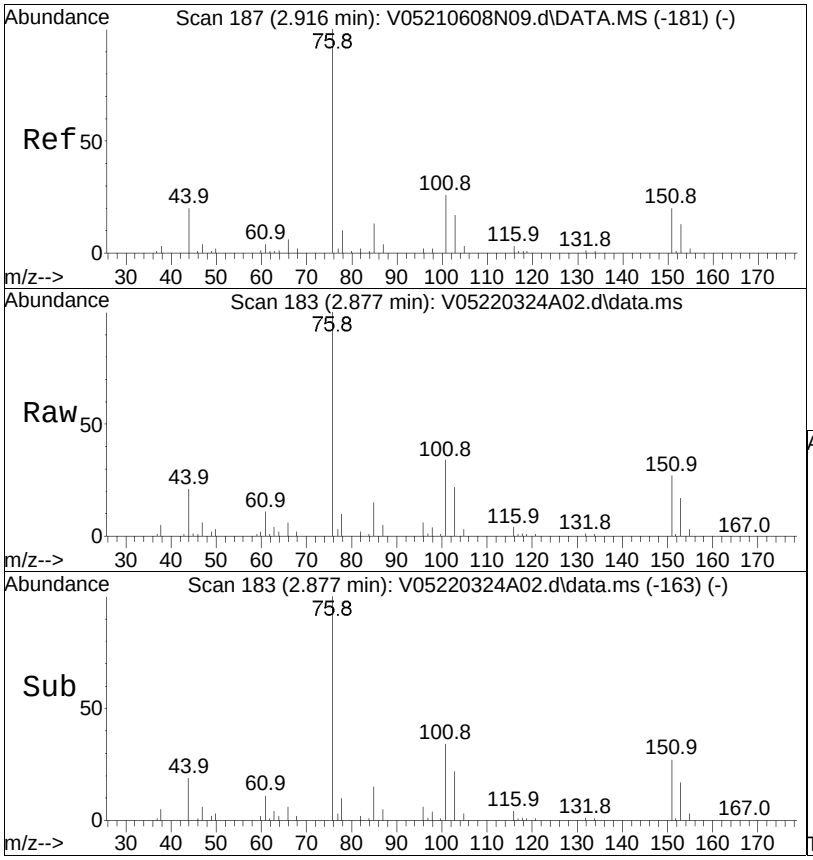


#10
1,1-Dichloroethene
Concen: 11.99 ug/L
RT: 2.848 min Scan# 180
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 96 Resp: 72788

Ion	Ratio	Lower	Upper
96	100		
61	216.7	136.7	205.1#
63	65.1	45.0	67.6

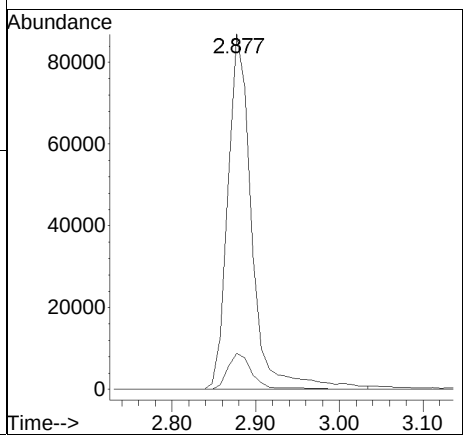


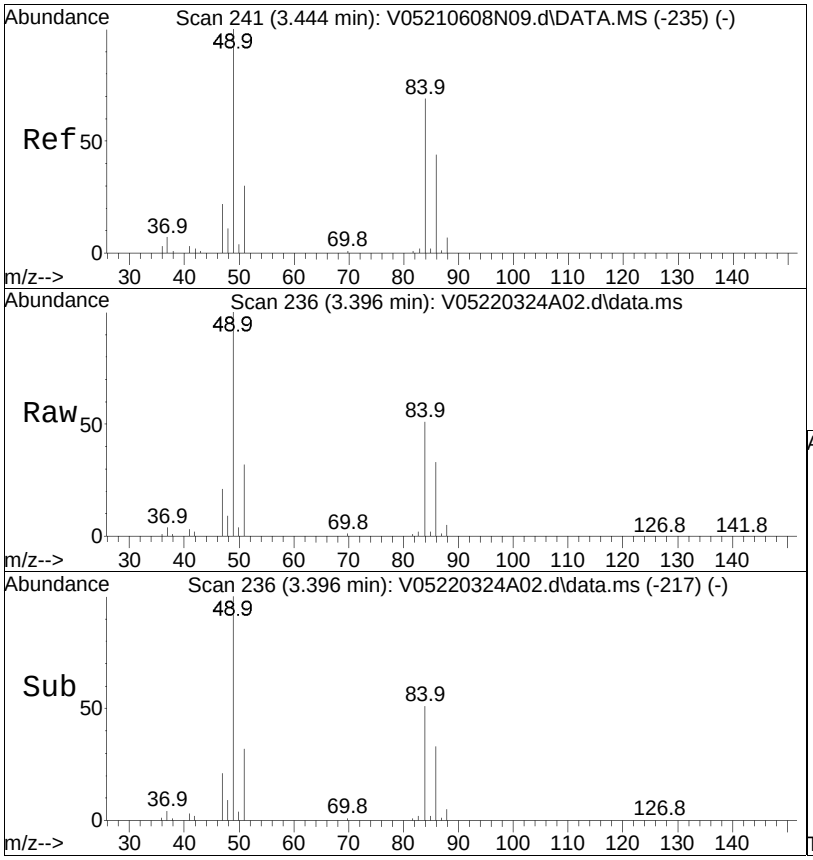


#11
Carbon disulfide
Concen: 9.93 ug/L
RT: 2.877 min Scan# 183
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 76 Resp: 174628

Ion	Ratio	Lower	Upper
76	100		
78	10.4	6.7	13.9

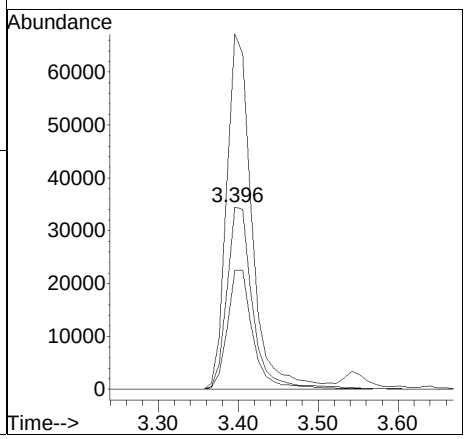


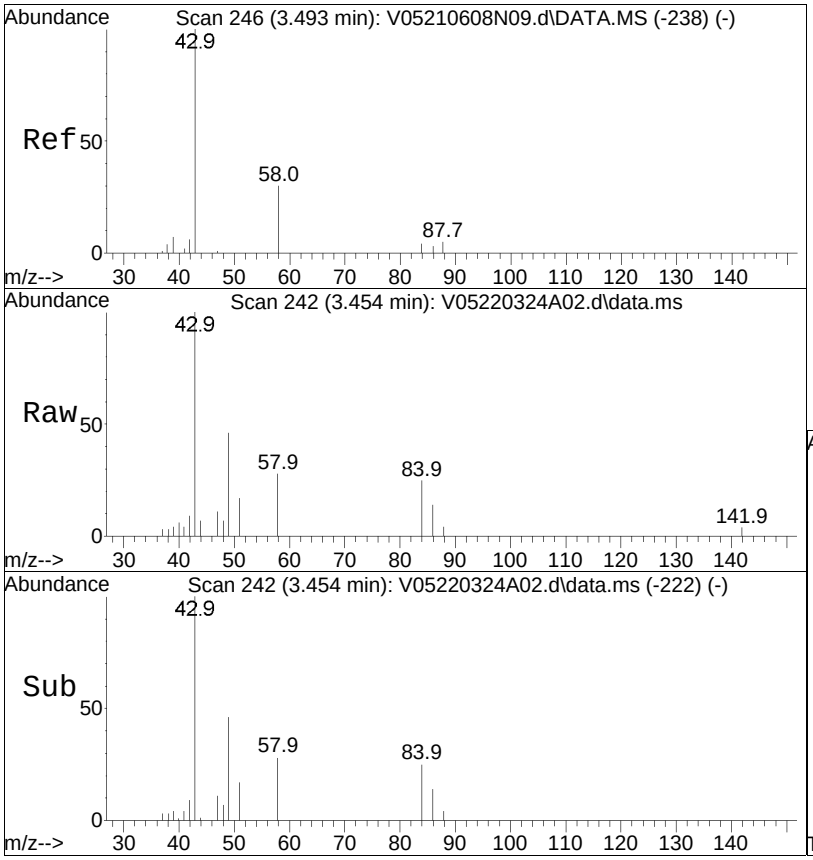


#15
Methylene chloride
Concen: 10.55 ug/L
RT: 3.396 min Scan# 236
Delta R.T. -0.009 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 84 Resp: 77997

Ion	Ratio	Lower	Upper
84	100		
86	65.2	42.1	87.5
49	189.8	69.3	143.9#

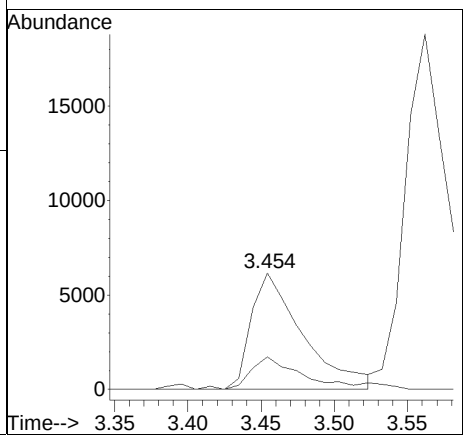


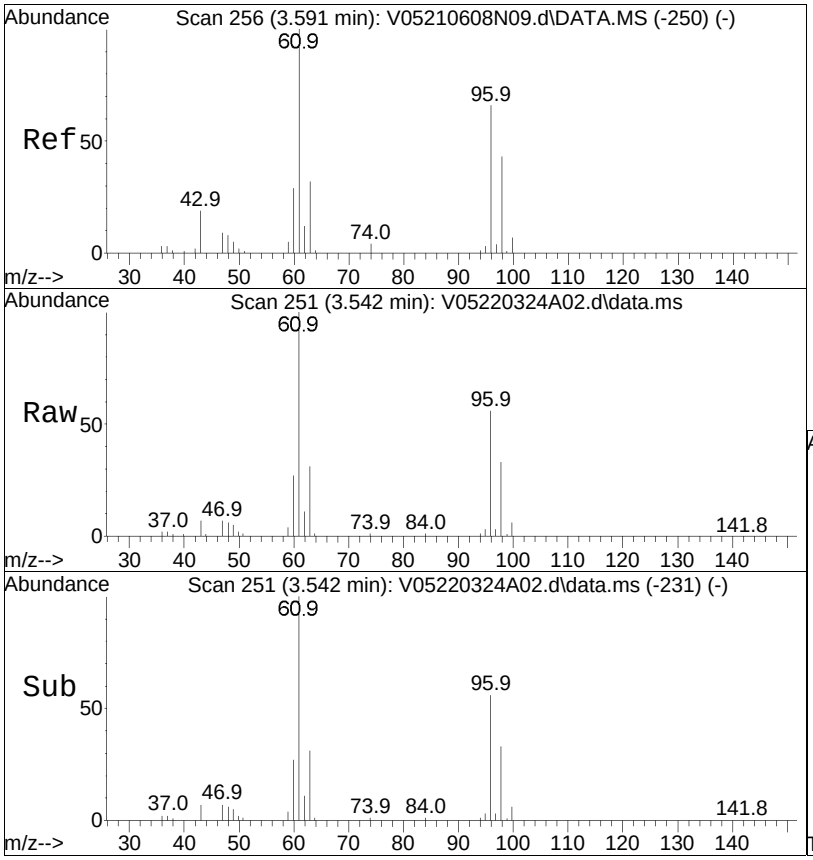


#17
Acetone
Concen: 9.86 ug/L
RT: 3.454 min Scan# 242
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 43 Resp: 15271

Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.0	33.0

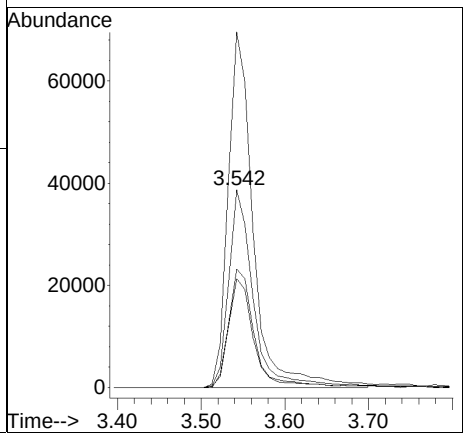


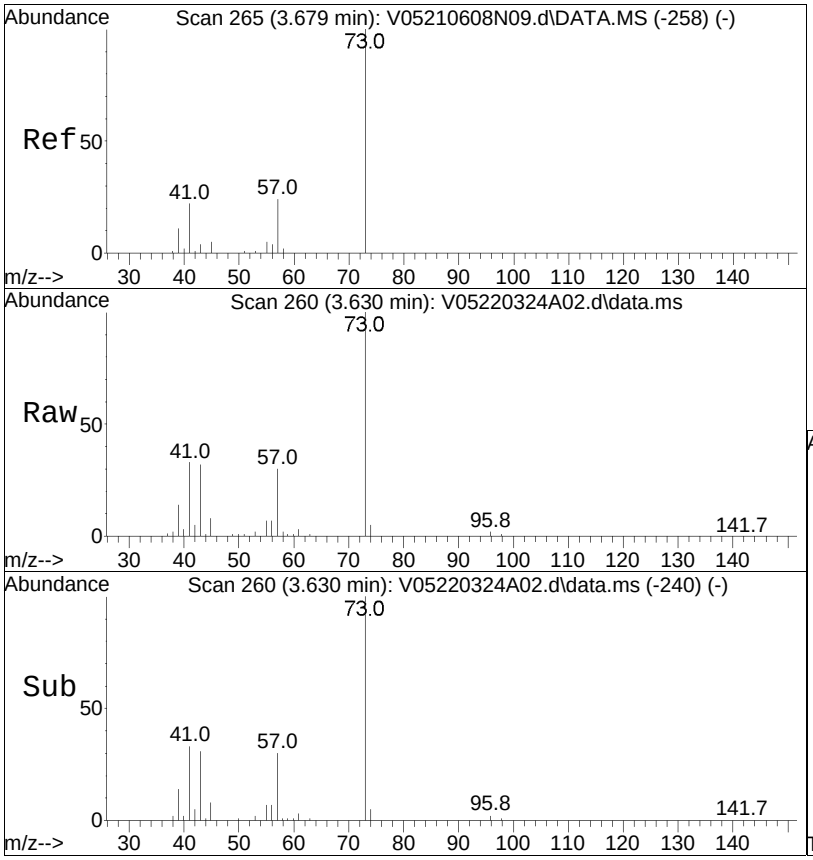


#18
trans-1,2-Dichloroethene
Concen: 11.31 ug/L
RT: 3.542 min Scan# 251
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 96 Resp: 79660

Ion	Ratio	Lower	Upper
96	100		
61	183.2	91.7	190.5
98	62.2	41.1	85.5
63	56.9	29.4	61.0

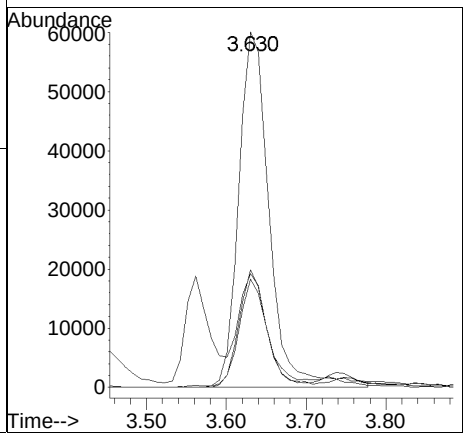


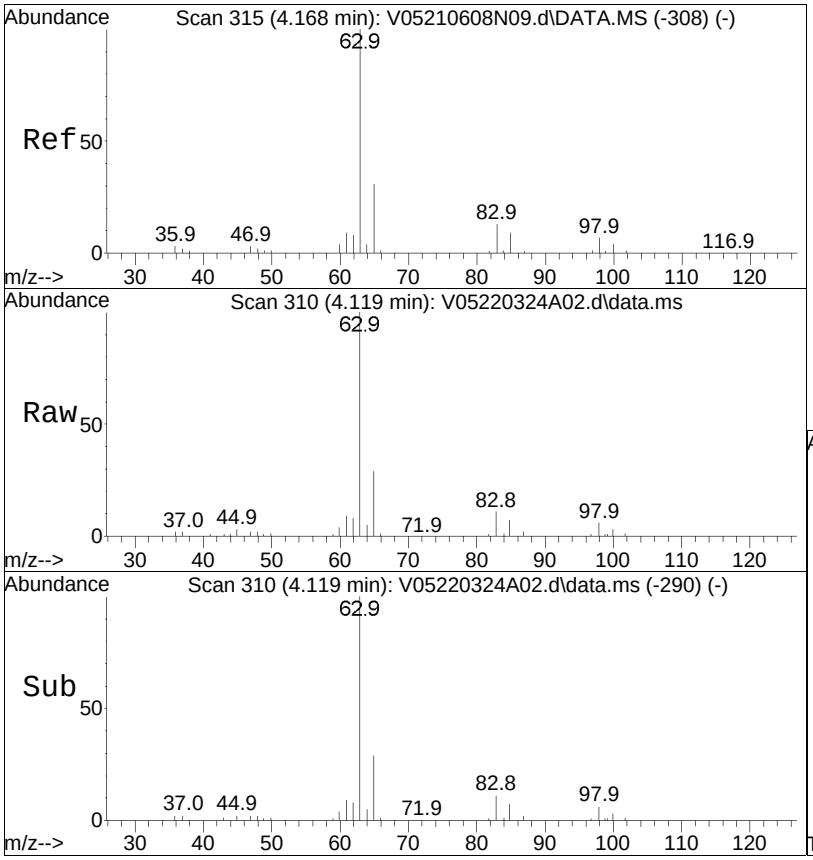


#20
Methyl tert-butyl ether
Concen: 11.35 ug/L
RT: 3.630 min Scan# 260
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 73 Resp: 160849

Ion	Ratio	Lower	Upper
73	100		
57	28.3	11.8	24.6#
43	28.3	13.5	27.9#
41	30.4	13.3	27.5#

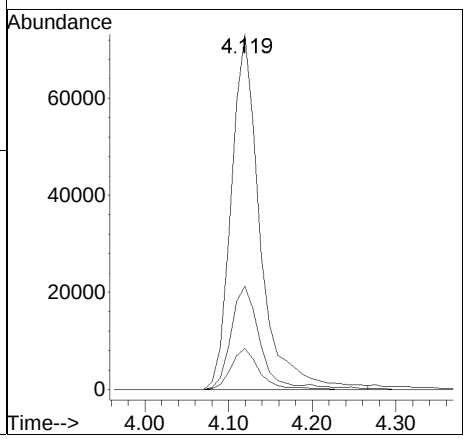


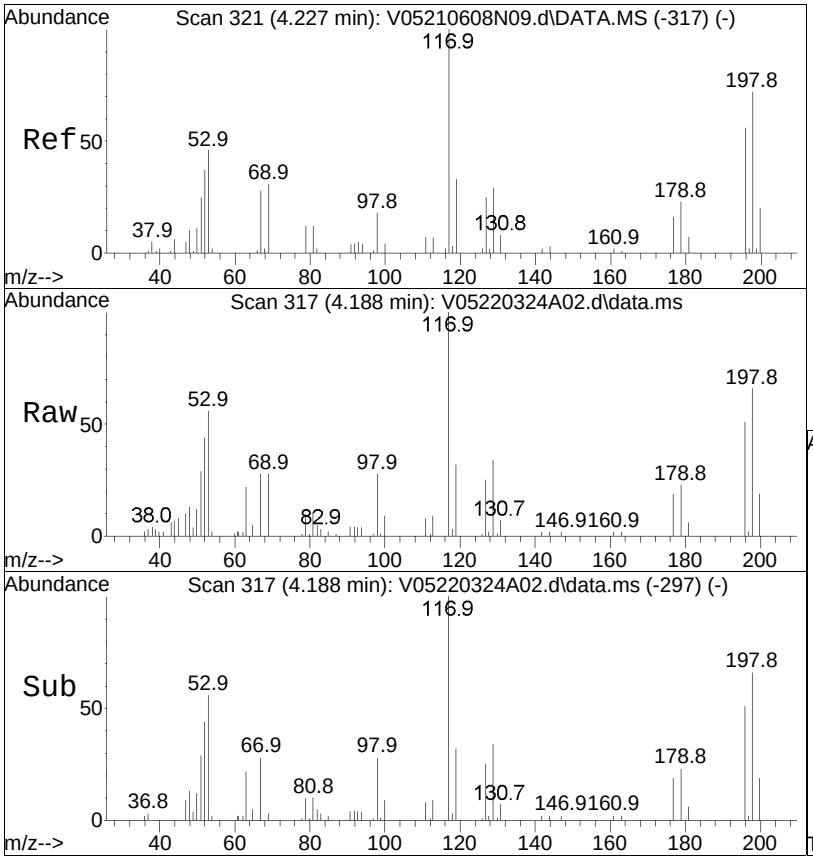


#23
1,1-Dichloroethane
Concen: 10.84 ug/L
RT: 4.119 min Scan# 310
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 63 Resp: 176342

Ion	Ratio	Lower	Upper
63	100		
65	29.6	11.9	51.9
83	11.2	0.0	34.2

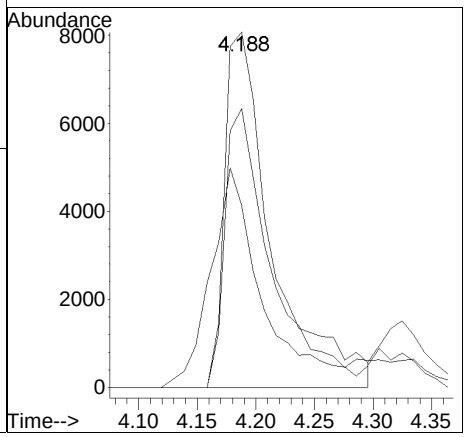


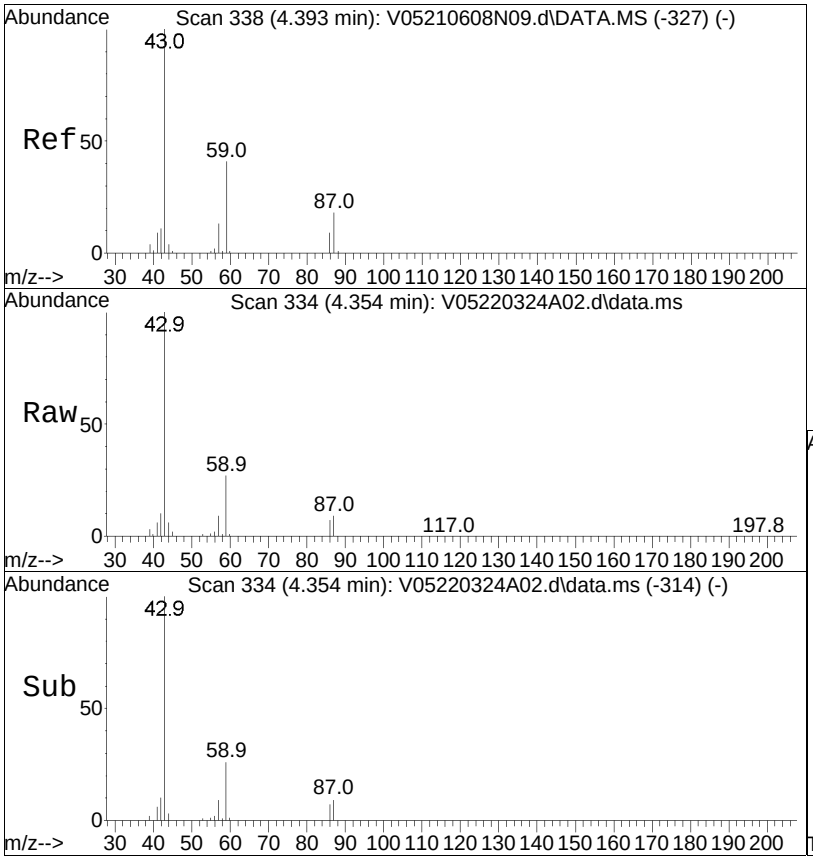


#25
Acrylonitrile
Concen: 10.51 ug/L
RT: 4.188 min Scan# 317
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 53 Resp: 22861

Ion	Ratio	Lower	Upper
53	100		
52	76.0	68.9	103.3
51	67.2	70.1	105.1#

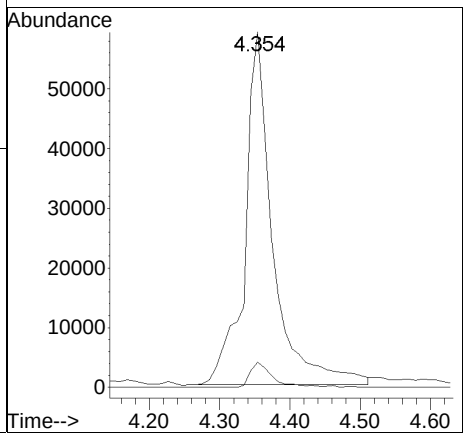


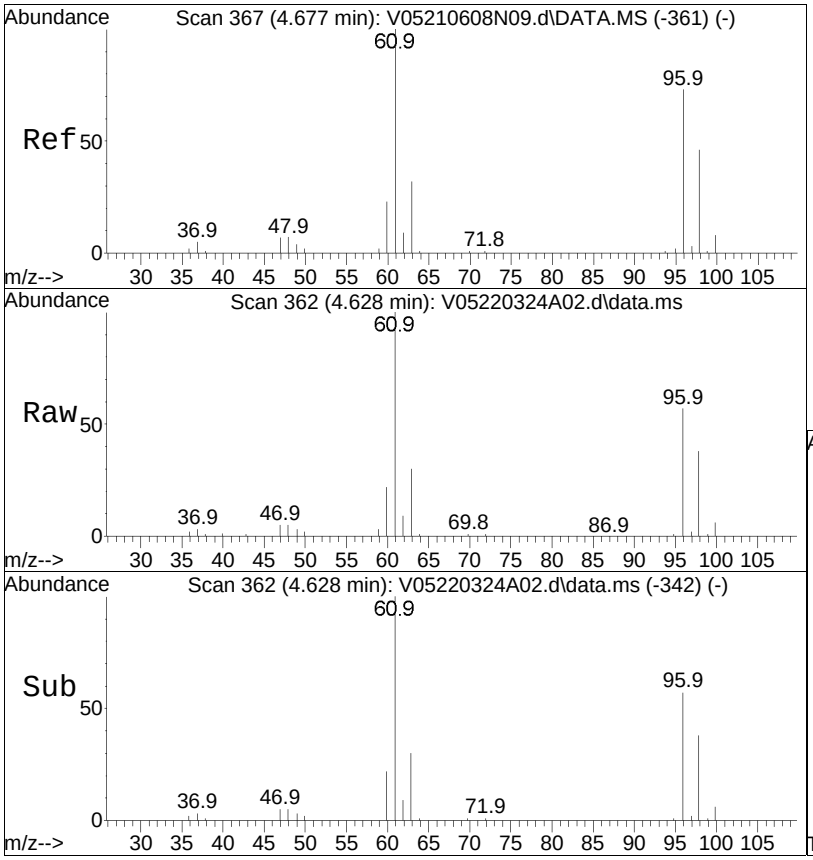


#27
Vinyl acetate
Concen: 9.85 ug/L
RT: 4.354 min Scan# 334
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 43 Resp: 163023

Ion	Ratio	Lower	Upper
43	100		
86	6.1	7.7	11.5#

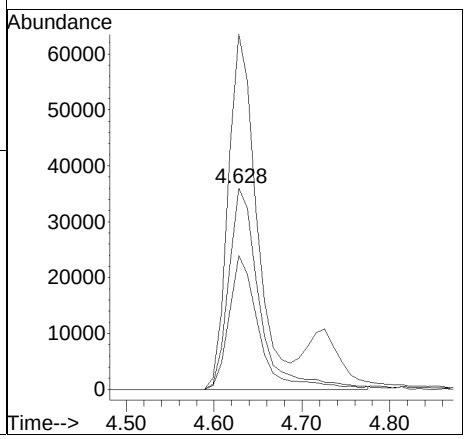


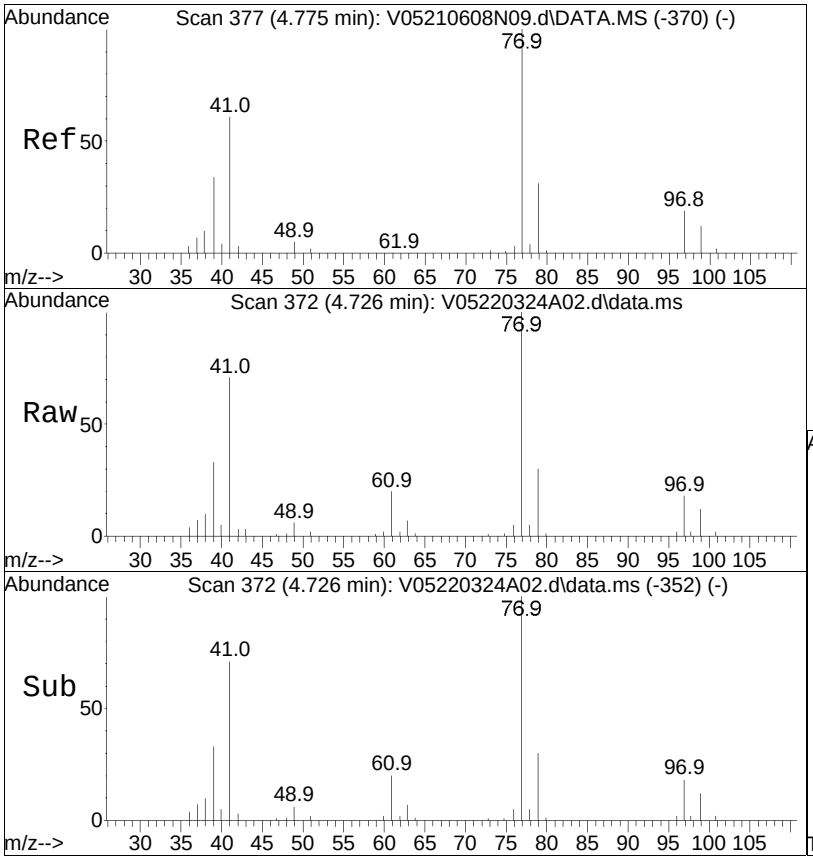


#28
cis-1,2-Dichloroethene
Concen: 10.92 ug/L
RT: 4.628 min Scan# 362
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 96 Resp: 87857

Ion	Ratio	Lower	Upper
96	100		
61	162.5	100.5	150.7#
98	65.5	49.8	74.8

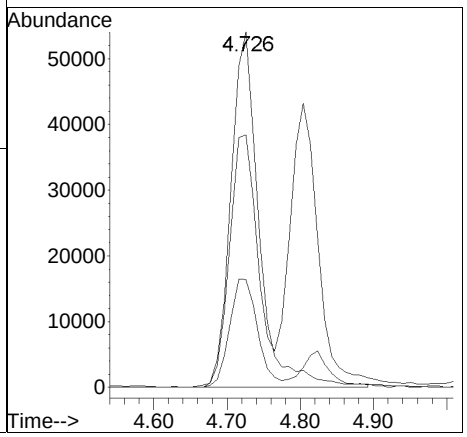


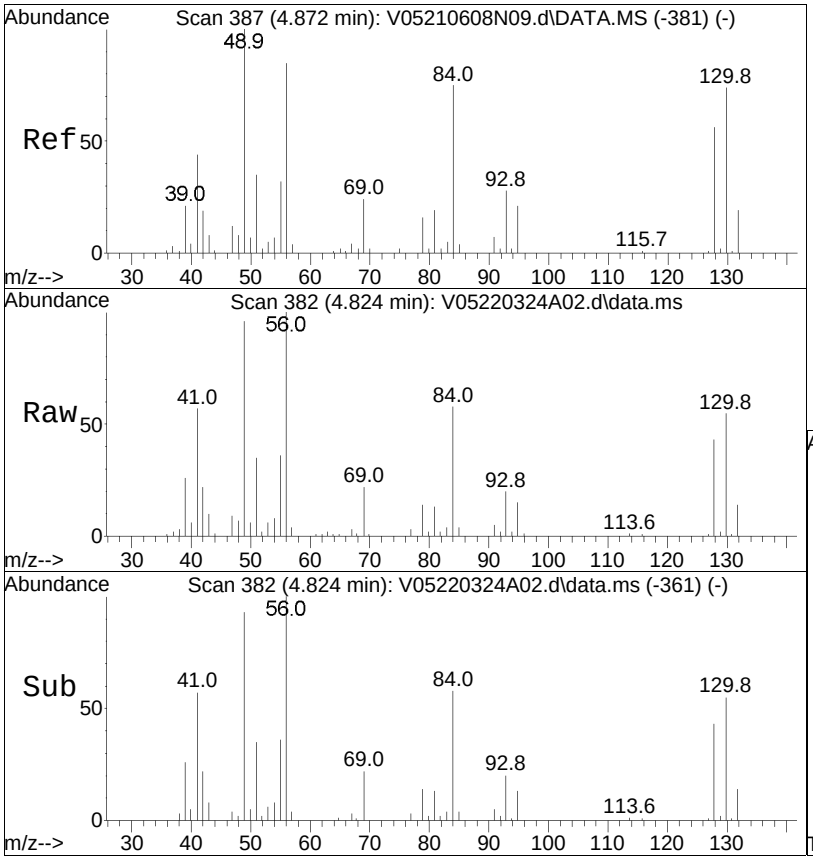


#29
2,2-Dichloropropane
Concen: 13.81 ug/L
RT: 4.726 min Scan# 372
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 77 Resp: 145261

Ion	Ratio	Lower	Upper
77	100		
41	70.9	35.7	74.1
79	30.3	20.6	42.8

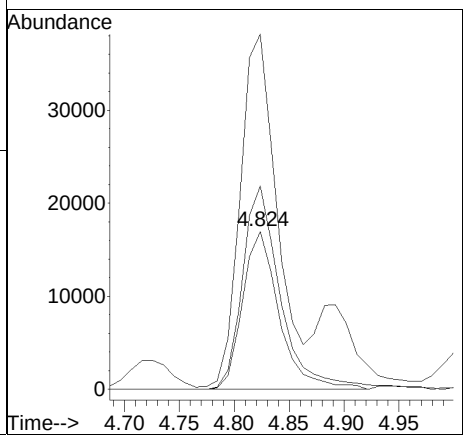


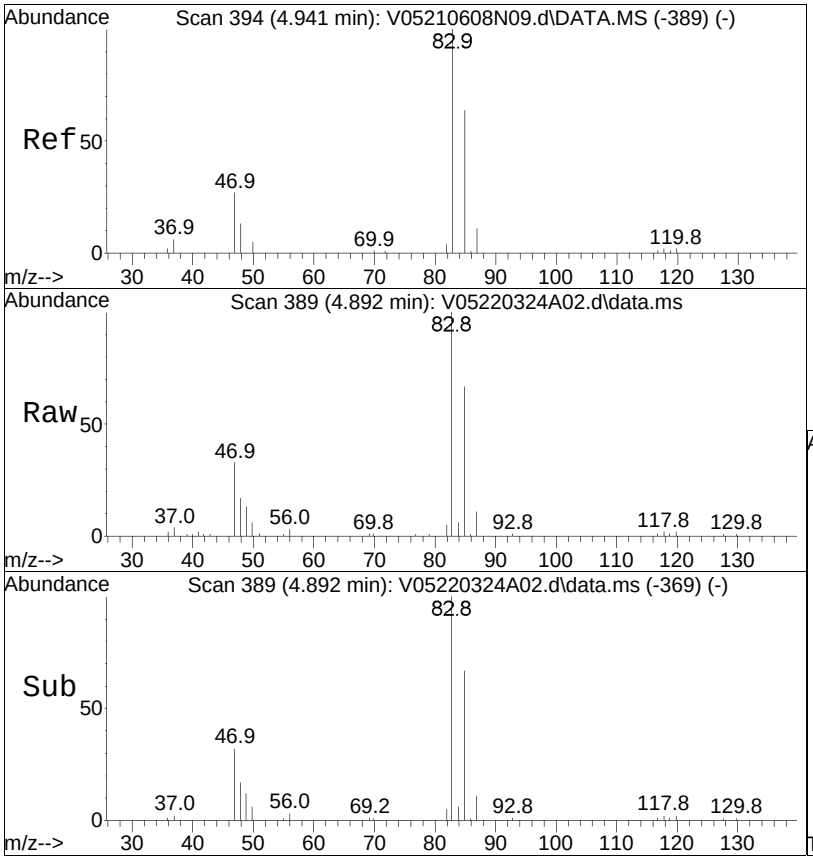


#30
Bromochloromethane
Concen: 11.36 ug/L
RT: 4.824 min Scan# 382
Delta R.T. 0.001 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:128 Resp: 39530

Ion	Ratio	Lower	Upper
128	100		
49	221.3	109.0	163.4#
130	134.5	105.6	158.4

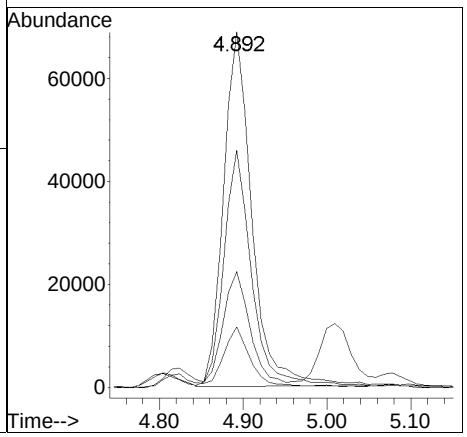


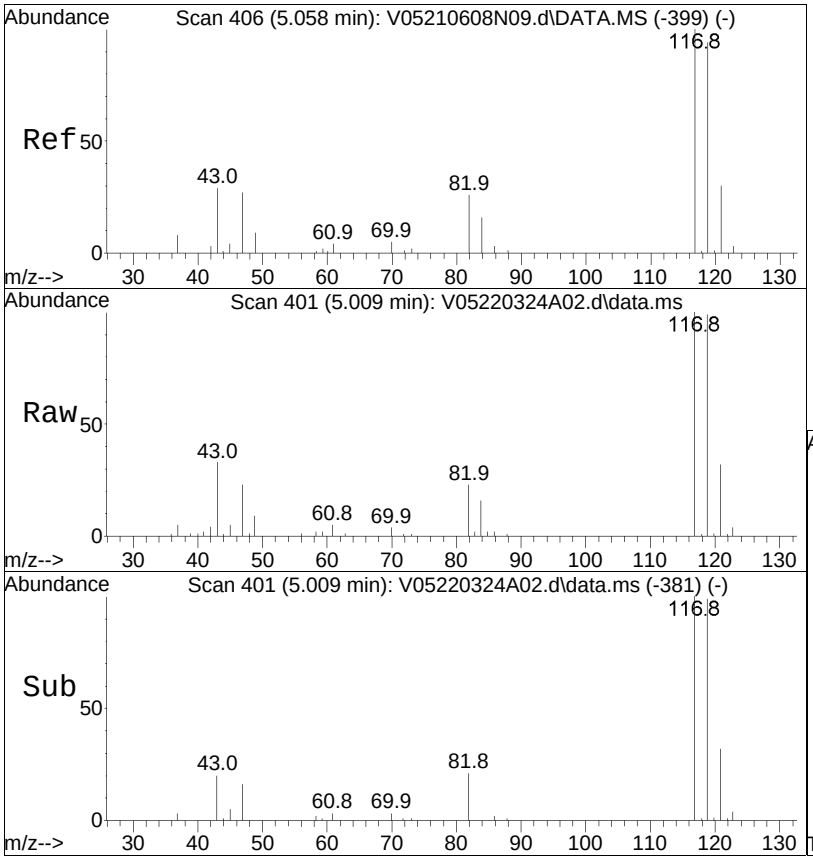


#32
Chloroform
Concen: 11.99 ug/L
RT: 4.892 min Scan# 389
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 83 Resp: 163683

Ion	Ratio	Lower	Upper
83	100		
85	64.7	42.8	89.0
47	28.7	13.7	28.4#
48	15.4	6.9	14.3#

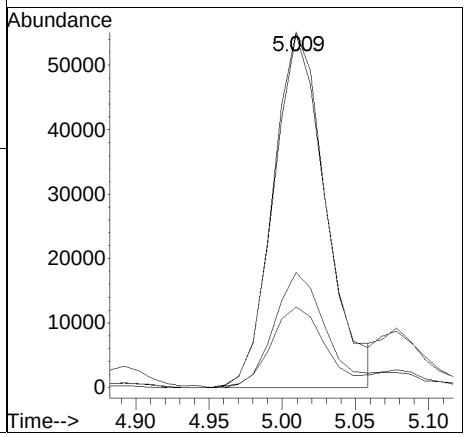


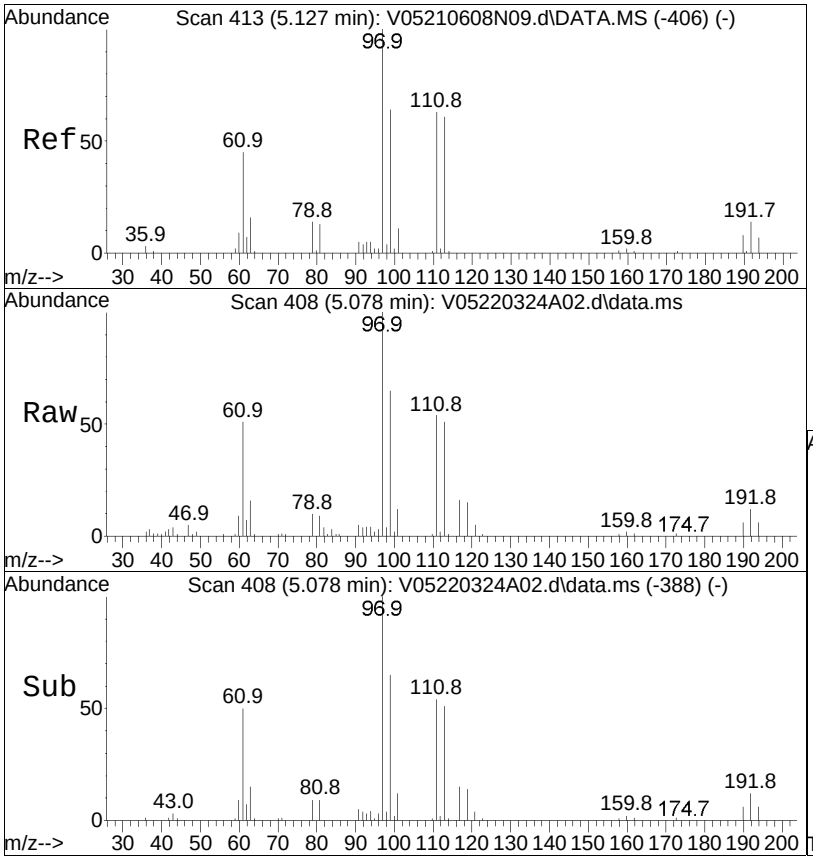


#34
Carbon tetrachloride
Concen: 13.52 ug/L
RT: 5.009 min Scan# 401
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:117 Resp: 139450

Ion	Ratio	Lower	Upper
117	100		
119	97.5	63.6	132.2
121	31.3	19.8	41.0
82	23.5	15.9	32.9

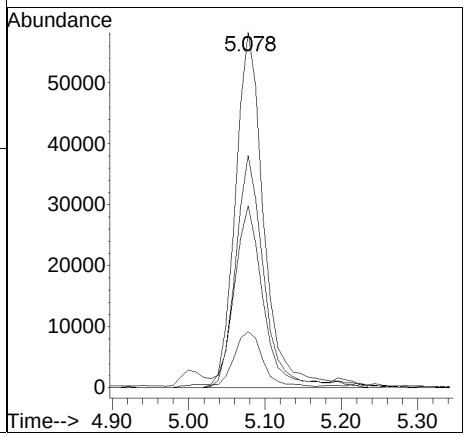


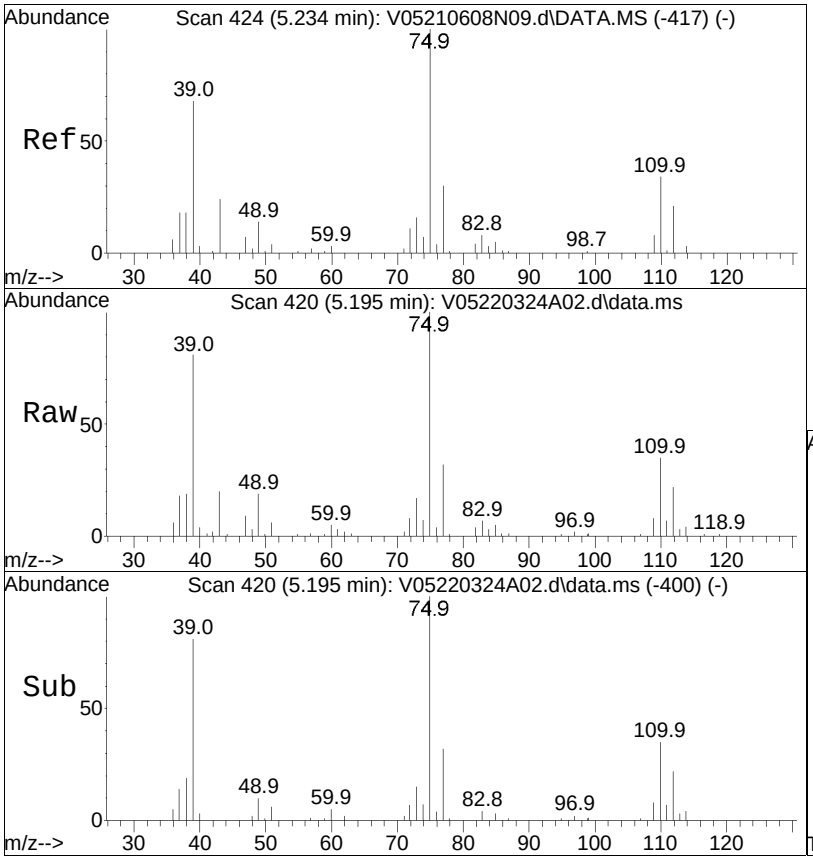


#37
1,1,1-Trichloroethane
Concen: 12.93 ug/L
RT: 5.078 min Scan# 408
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 97 Resp: 151965

Ion	Ratio	Lower	Upper
97	100		
99	64.7	41.7	86.5
61	49.7	26.1	54.3
63	16.7	8.5	17.6

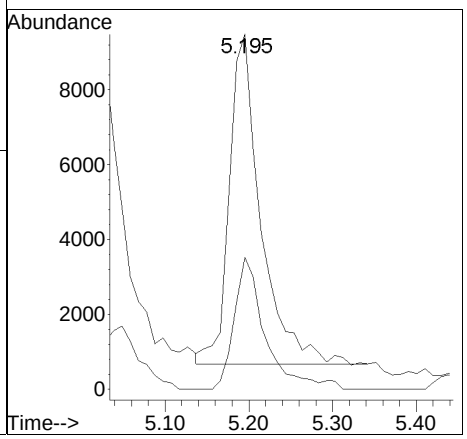


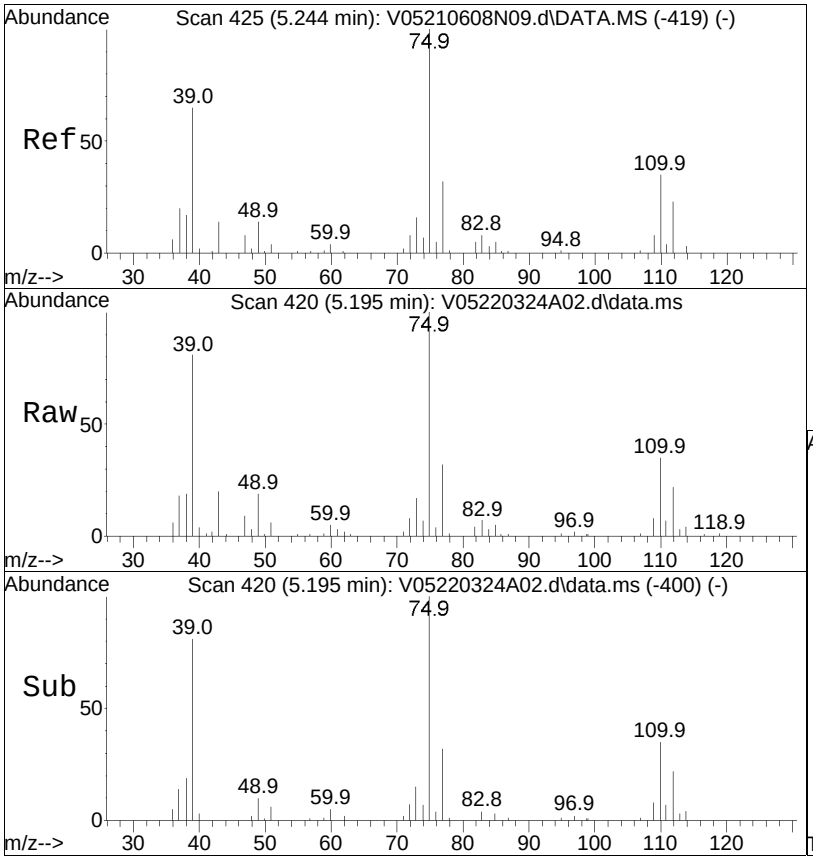


#39
2-Butanone
Concen: 8.98 ug/L
RT: 5.195 min Scan# 420
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 43 Resp: 23017

Ion	Ratio	Lower	Upper
43	100		
72	39.6	55.6	83.4#

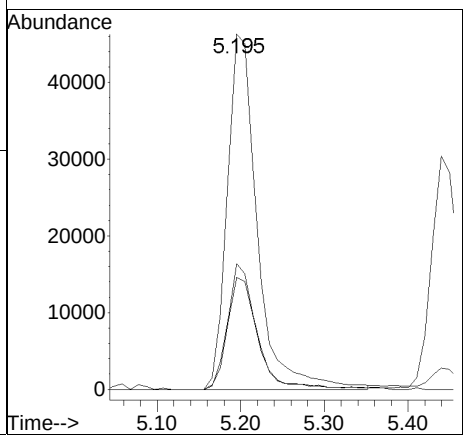


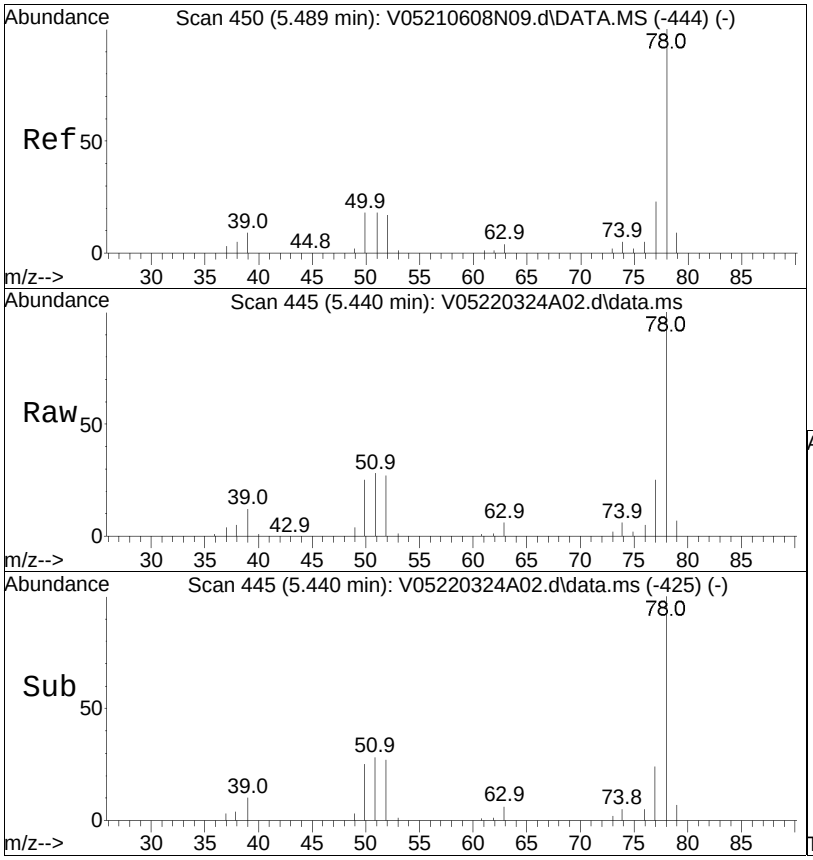


#40
1,1-Dichloropropene
Concen: 11.60 ug/L
RT: 5.195 min Scan# 420
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 75 Resp: 116163

Ion	Ratio	Lower	Upper
75	100		
110	34.3	21.1	43.7
77	31.8	20.1	41.7

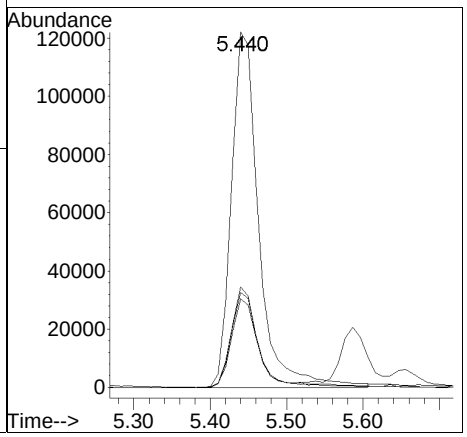


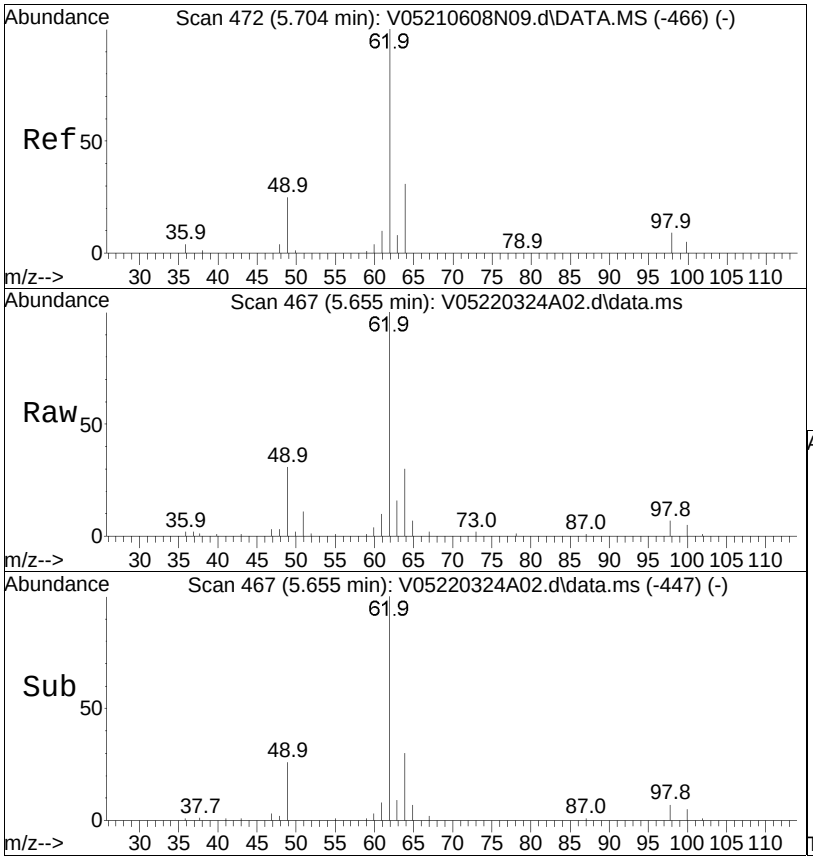


#41
Benzene
Concen: 10.50 ug/L
RT: 5.440 min Scan# 445
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 78 Resp: 305268

Ion	Ratio	Lower	Upper
78	100		
77	25.0	15.2	31.6
51	26.2	10.5	21.7#
52	25.6	9.5	19.7#

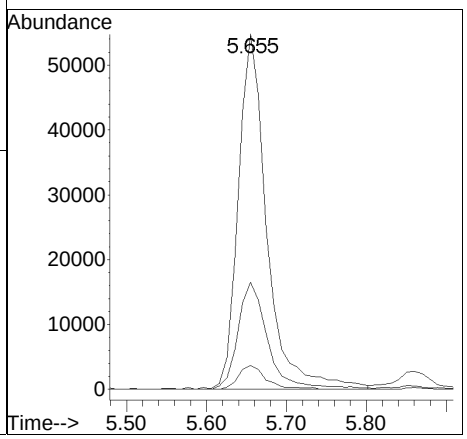


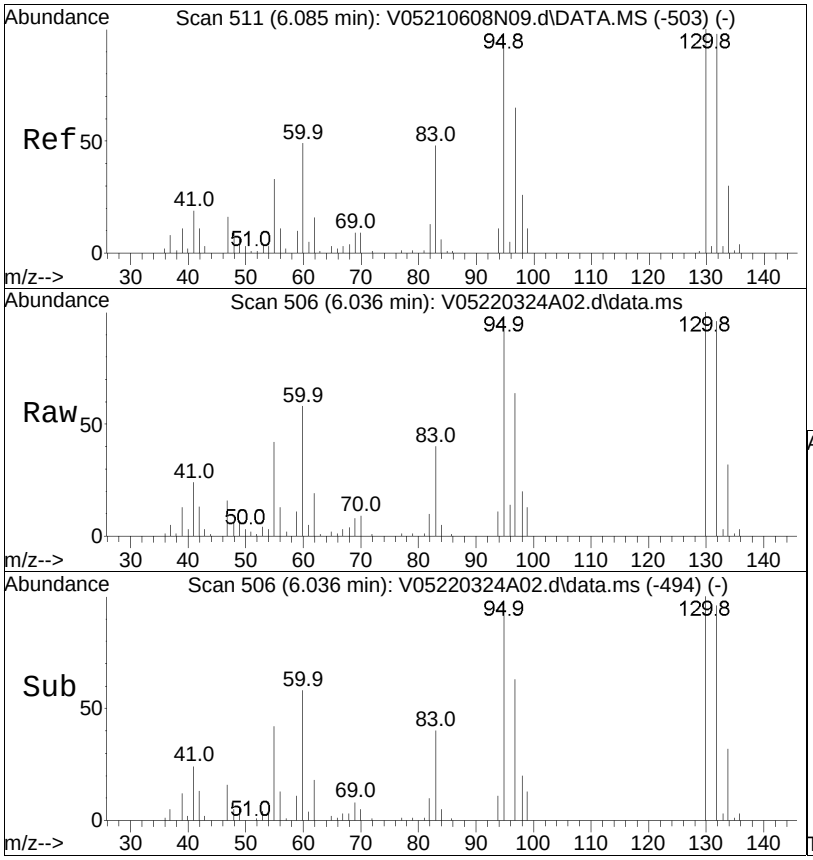


#44
1,2-Dichloroethane
Concen: 12.00 ug/L
RT: 5.655 min Scan# 467
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 62 Resp: 136960

Ion	Ratio	Lower	Upper
62	100		
64	31.7	13.2	53.2
98	6.6	0.0	27.8

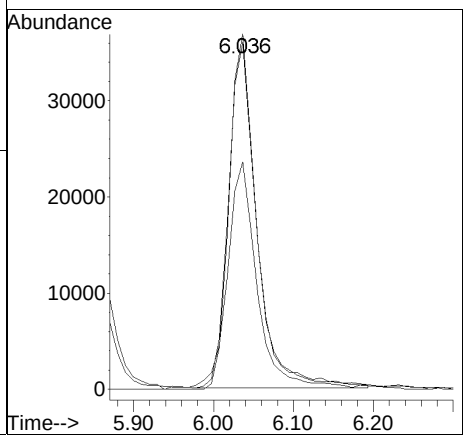


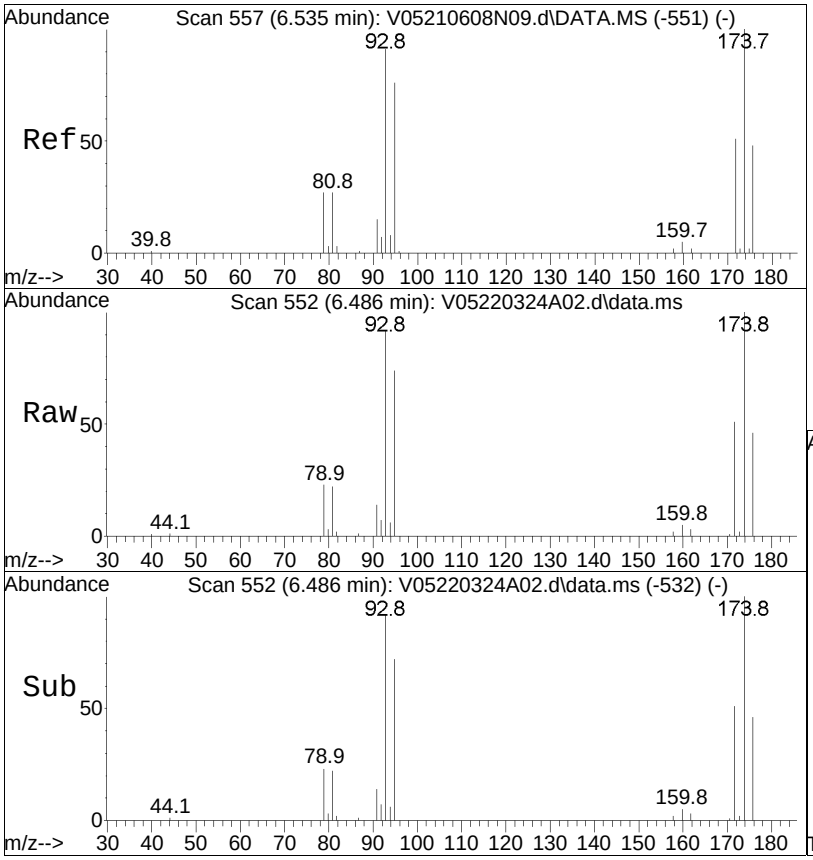


#48
Trichloroethene
Concen: 10.66 ug/L
RT: 6.036 min Scan# 506
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 95 Resp: 89112

Ion	Ratio	Lower	Upper
95	100		
97	66.5	56.1	84.1
130	102.1	77.7	116.5

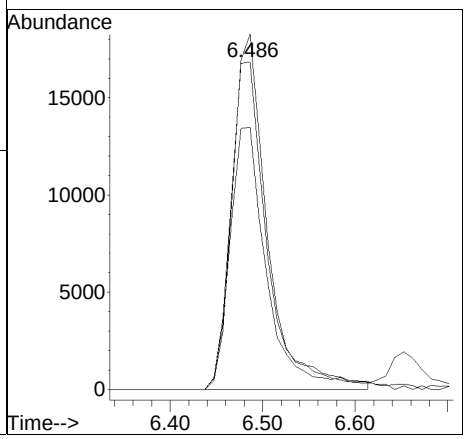


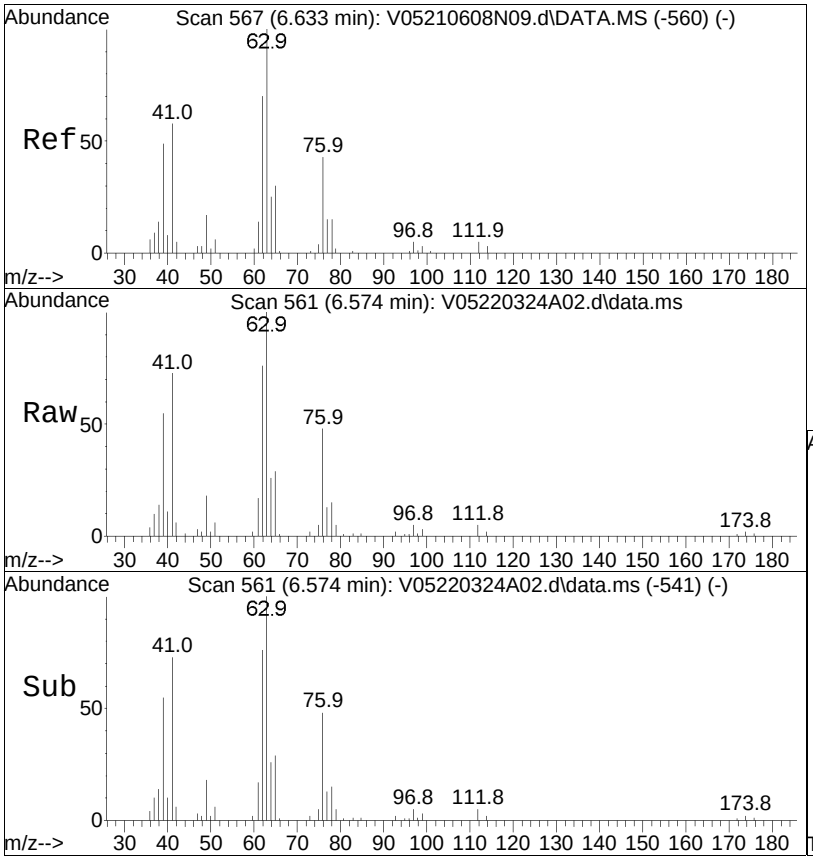


#50
Dibromomethane
Concen: 12.01 ug/L
RT: 6.486 min Scan# 552
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 93 Resp: 46118

Ion	Ratio	Lower	Upper
93	100		
95	82.2	64.3	96.5
174	105.6	80.9	121.3

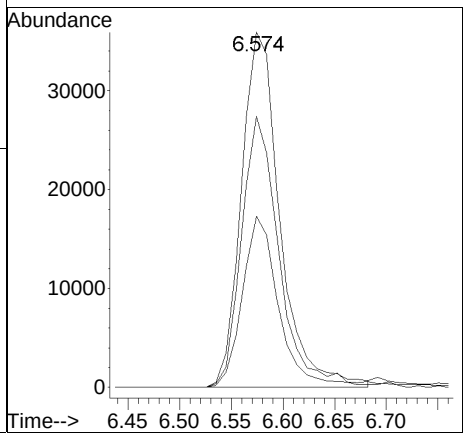


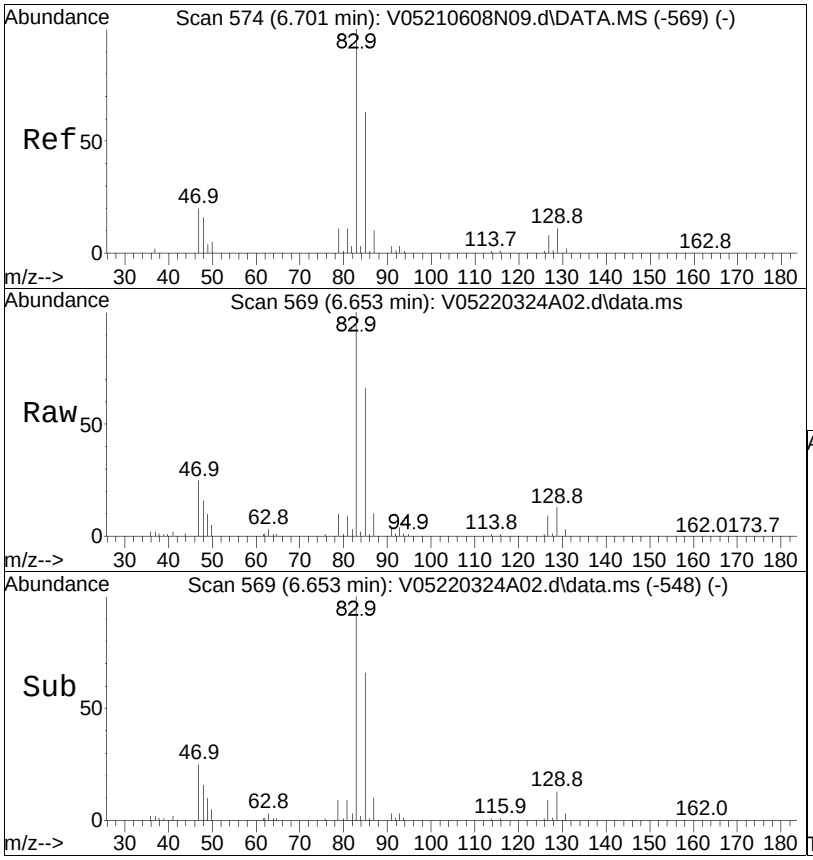


#51
1,2-Dichloropropane
Concen: 10.24 ug/L
RT: 6.574 min Scan# 561
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 63 Resp: 93372

Ion	Ratio	Lower	Upper
63	100		
62	75.3	57.0	85.4
76	45.4	48.4	72.6#

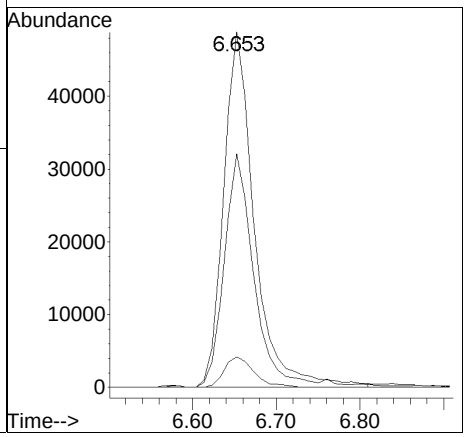


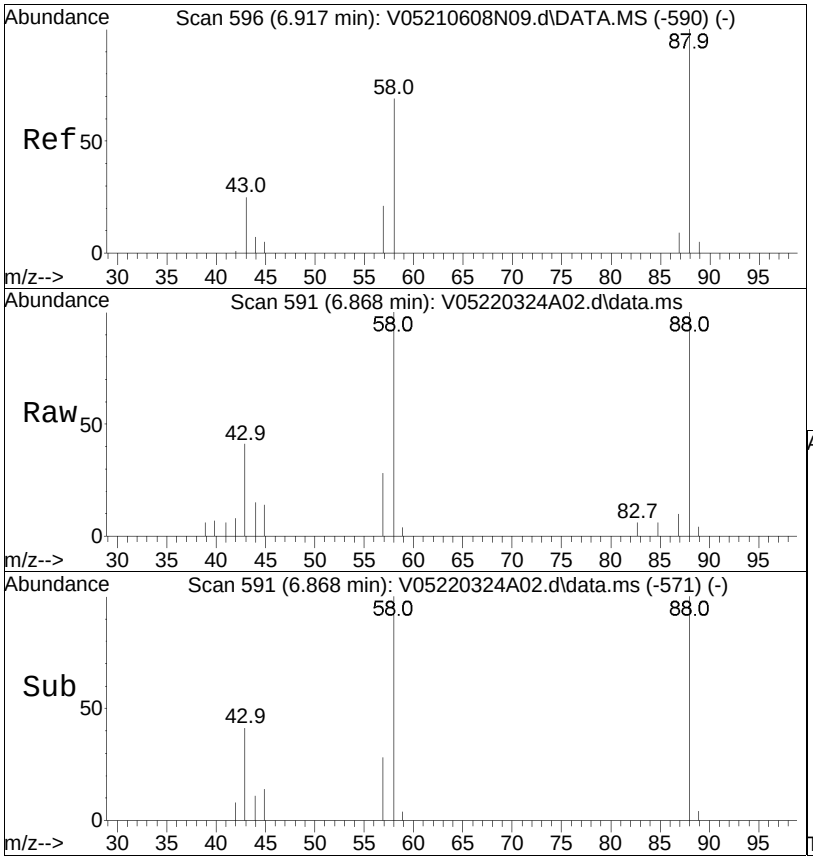


#54
Bromodichloromethane
Concen: 12.80 ug/L
RT: 6.653 min Scan# 569
Delta R.T. 0.001 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 83 Resp: 125137

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.0	76.6
127	8.4	6.7	10.1

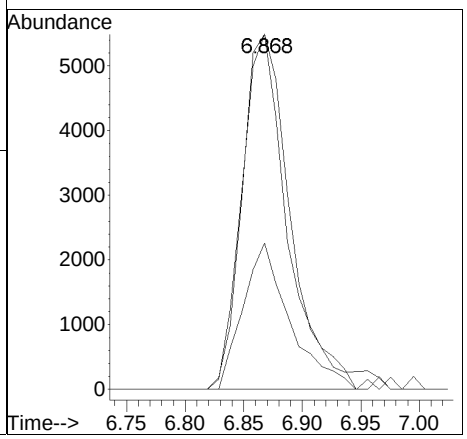


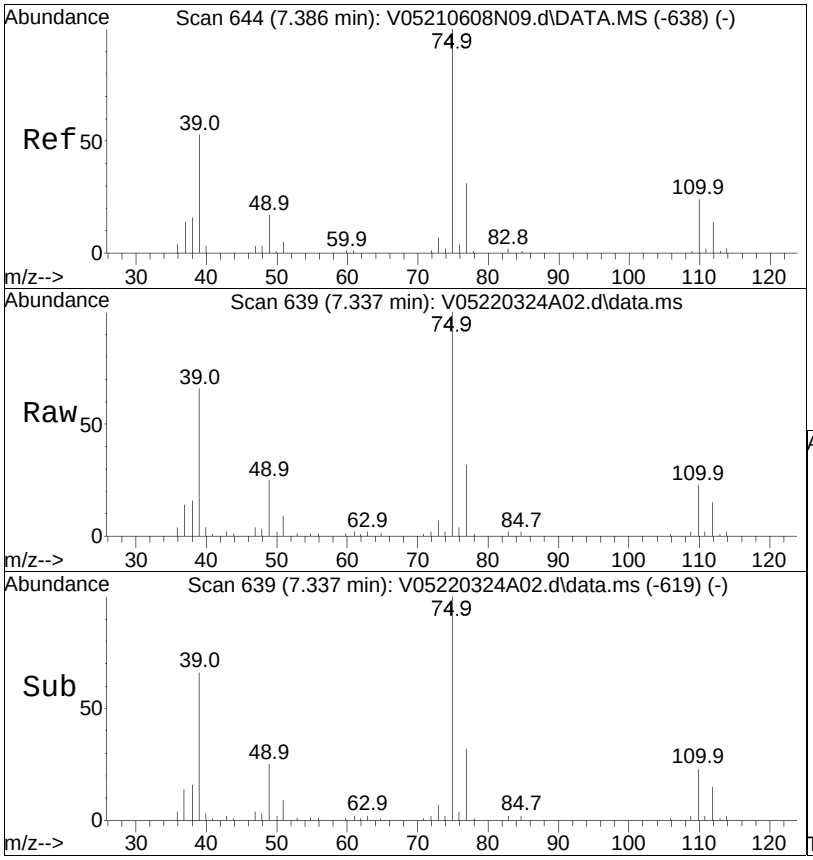


#57
1,4-Dioxane
Concen: 519.28 ug/L
RT: 6.868 min Scan# 591
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 88 Resp: 15624

Ion	Ratio	Lower	Upper
88	100		
58	96.8	50.6	75.8#
43	40.3	20.5	30.7#

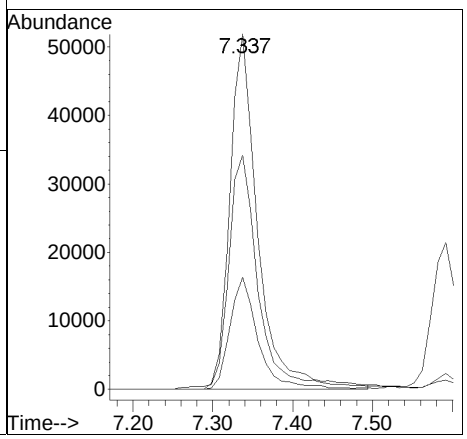


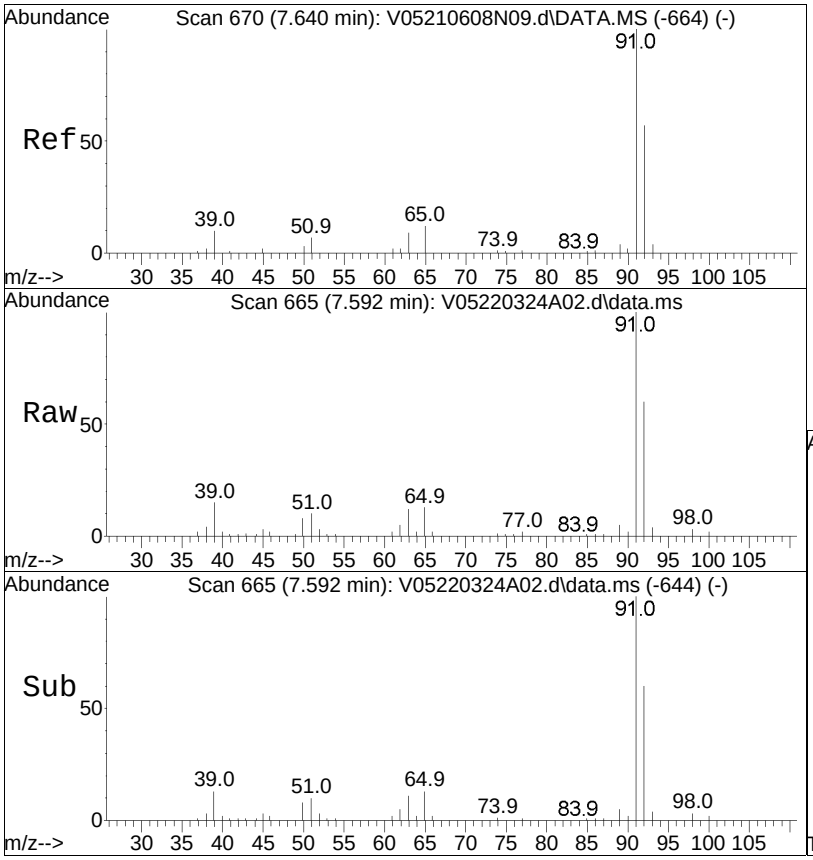


#58
cis-1,3-Dichloropropene
Concen: 10.76 ug/L
RT: 7.337 min Scan# 639
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 75 Resp: 127372

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.5	38.3
39	69.6	40.4	60.6#

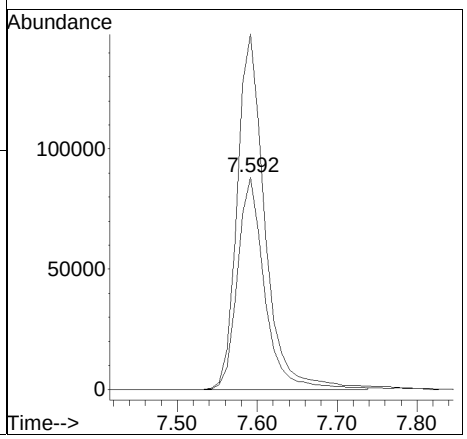


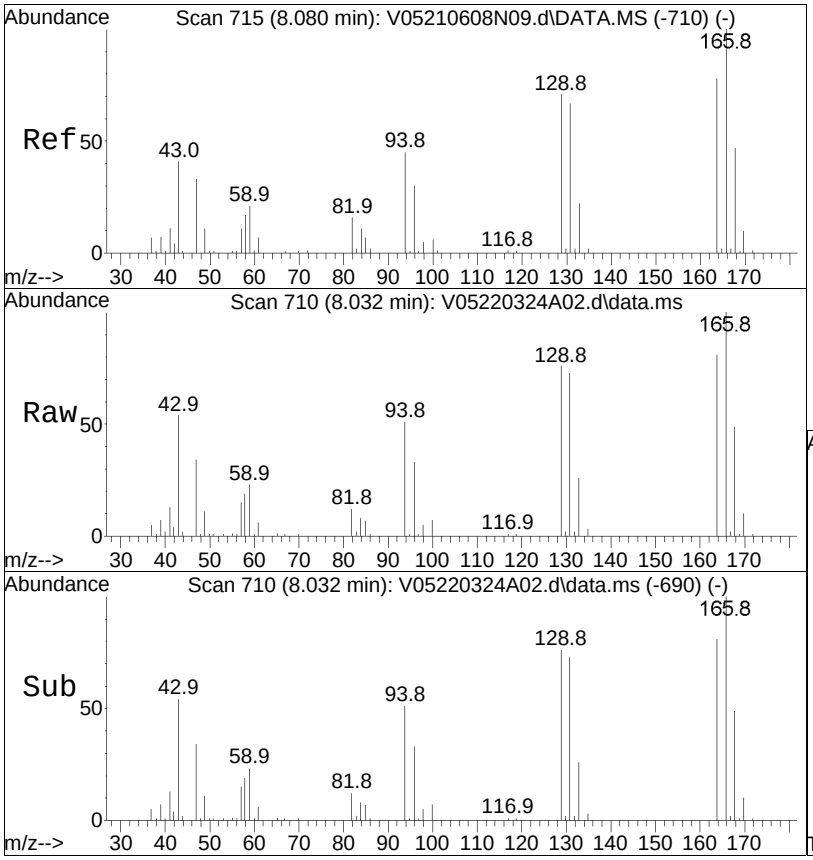


#61
Toluene
Concen: 11.17 ug/L
RT: 7.592 min Scan# 665
Delta R.T. 0.001 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 92 Resp: 208797

Ion	Ratio	Lower	Upper
92	100		
91	171.1	135.2	202.8

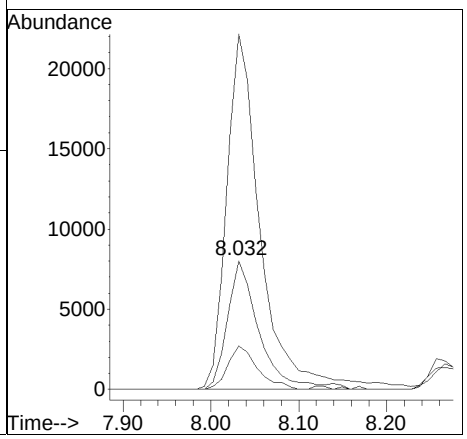


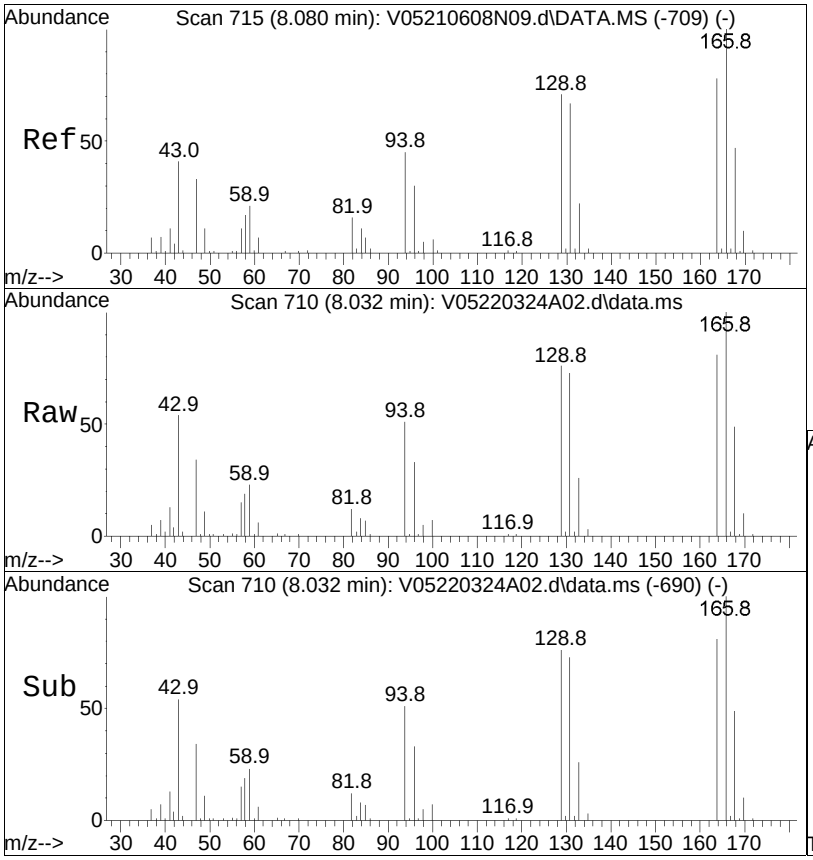


#62
4-Methyl-2-pentanone
Concen: 9.77 ug/L
RT: 8.032 min Scan# 710
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 58 Resp: 20333

Ion	Ratio	Lower	Upper
58	100		
100	31.6	38.9	58.3#
43	290.4	204.2	306.2

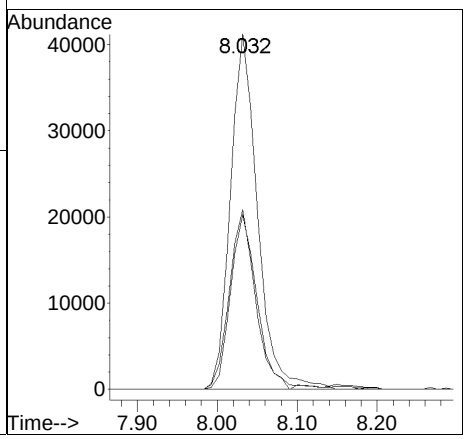


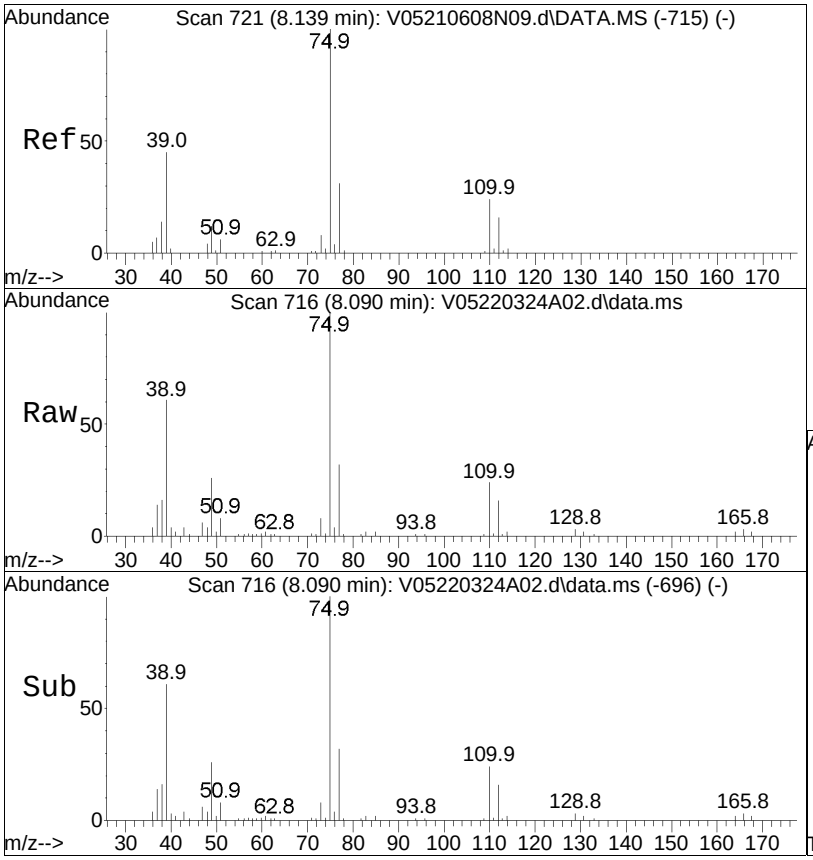


#63
Tetrachloroethene
Concen: 11.85 ug/L
RT: 8.032 min Scan# 710
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:166 Resp: 98441

Ion	Ratio	Lower	Upper
166	100		
168	47.3	30.2	70.2
94	49.3	32.5	72.5

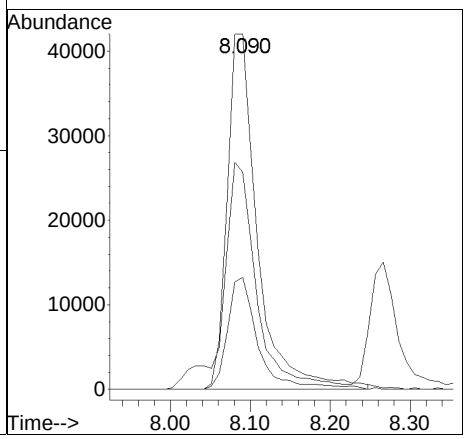


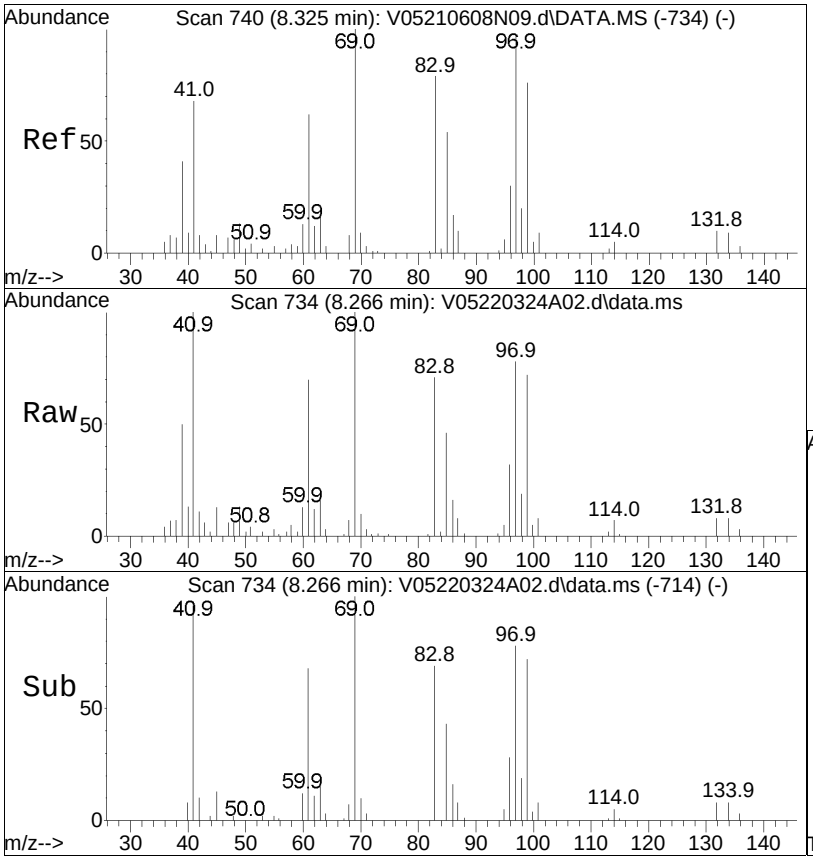


#65
trans-1,3-Dichloropropene
Concen: 12.19 ug/L
RT: 8.090 min Scan# 716
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 75 Resp: 111146

Ion	Ratio	Lower	Upper
75	100		
77	31.8	11.5	51.5
39	70.0	29.3	69.3#

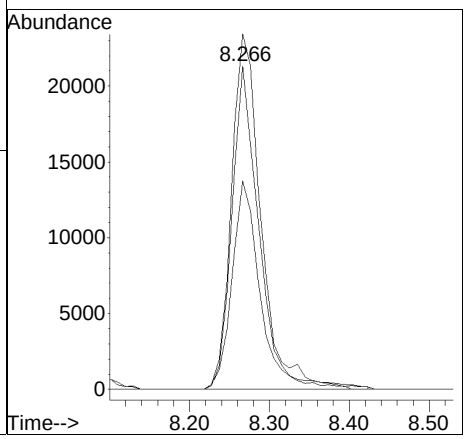


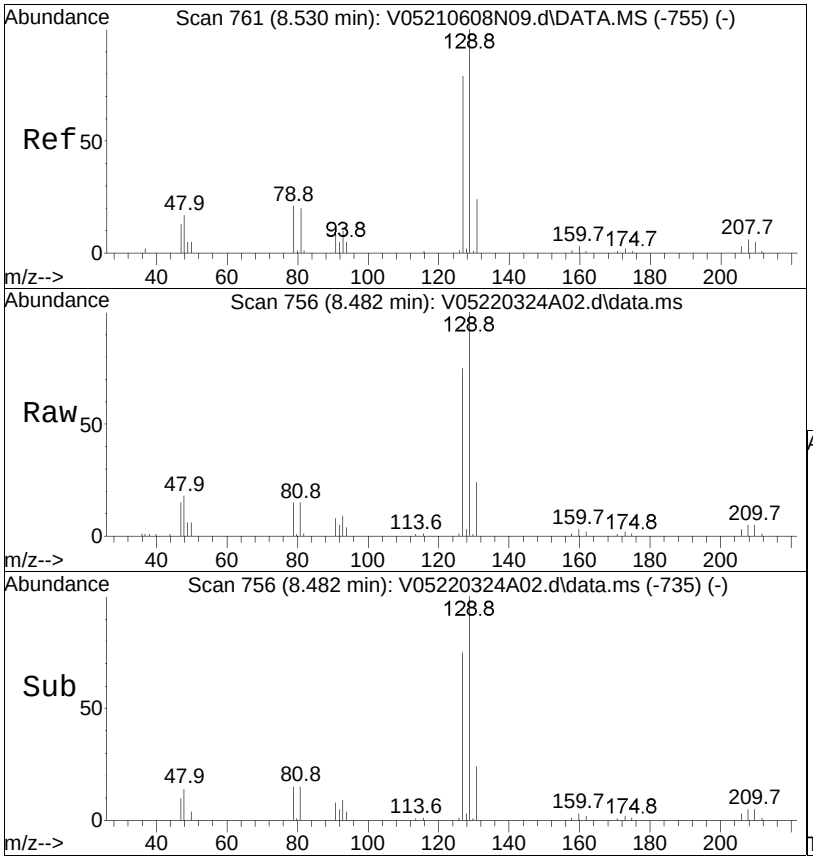


#68
1,1,2-Trichloroethane
Concen: 11.43 ug/L
RT: 8.266 min Scan# 734
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 83 Resp: 50745

Ion	Ratio	Lower	Upper
83	100		
97	120.2	102.2	142.2
85	66.7	47.5	87.5

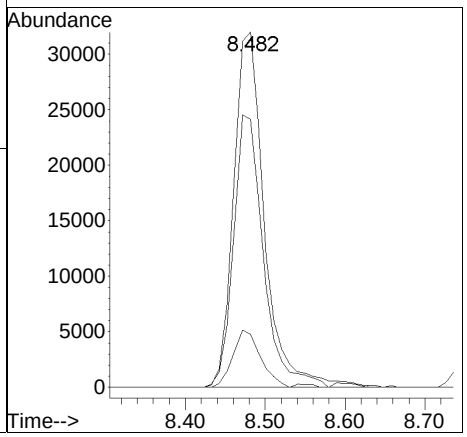


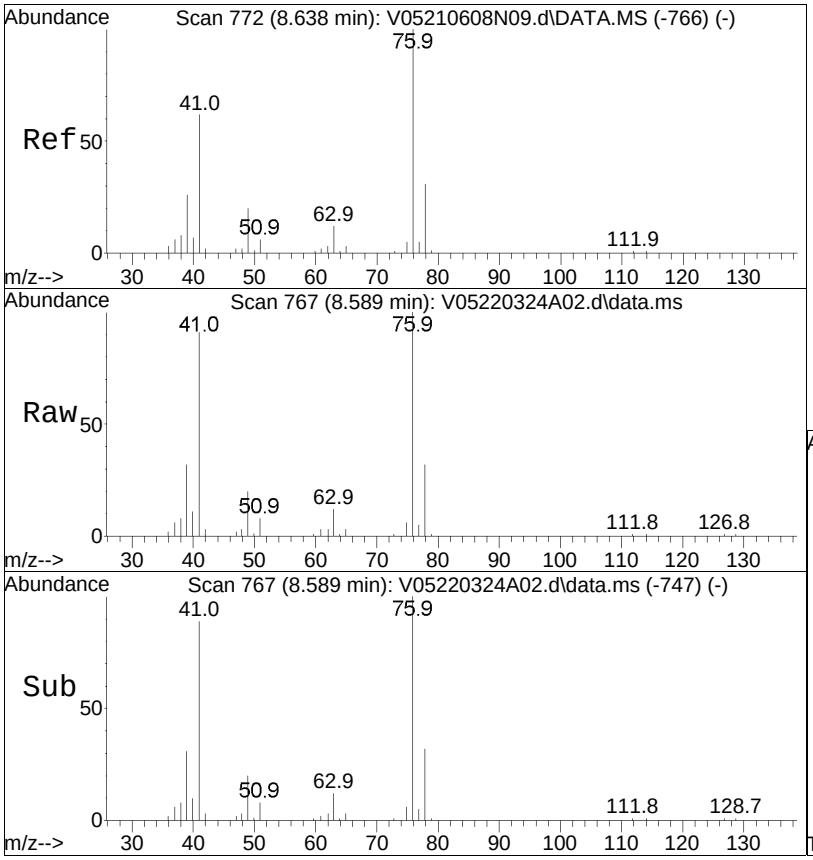


#69
Chlorodibromomethane
Concen: 12.81 ug/L
RT: 8.482 min Scan# 756
Delta R.T. 0.001 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:129 Resp: 86114

Ion	Ratio	Lower	Upper
129	100		
81	14.5	0.0	37.0
127	74.3	58.3	98.3

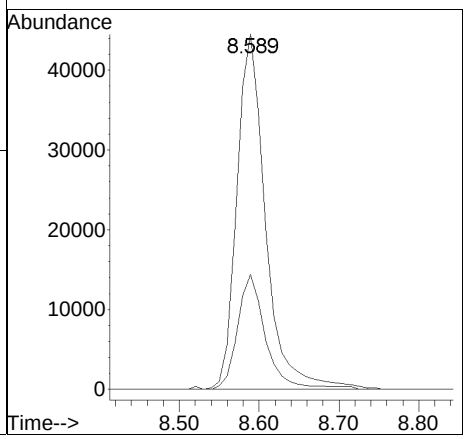


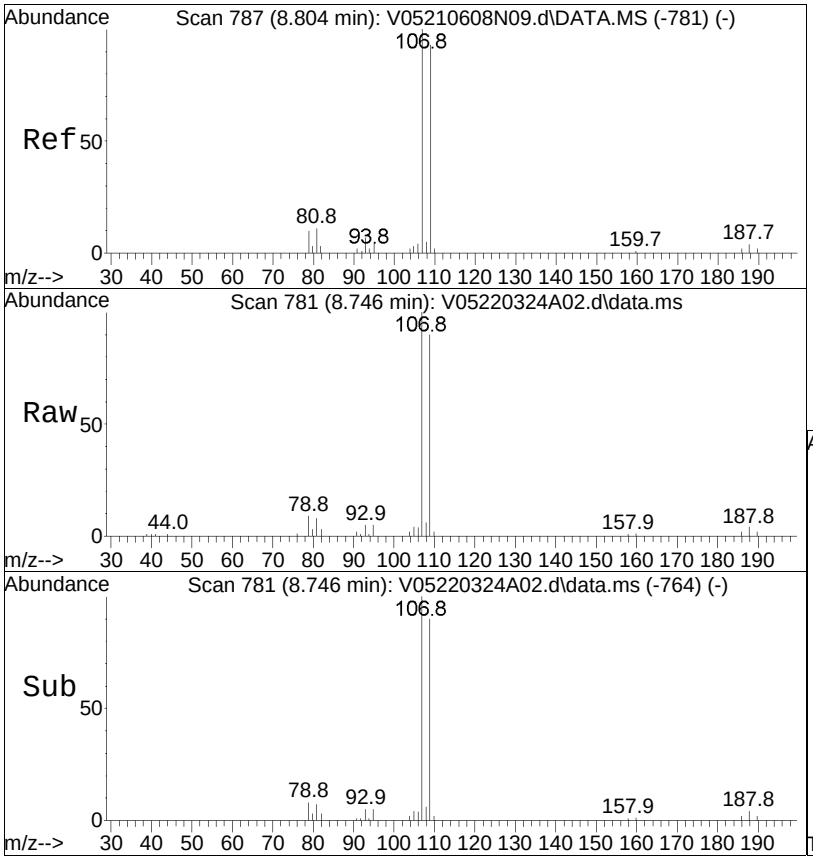


#70
1,3-Dichloropropane
Concen: 11.57 ug/L
RT: 8.589 min Scan# 767
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 76 Resp: 121967

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

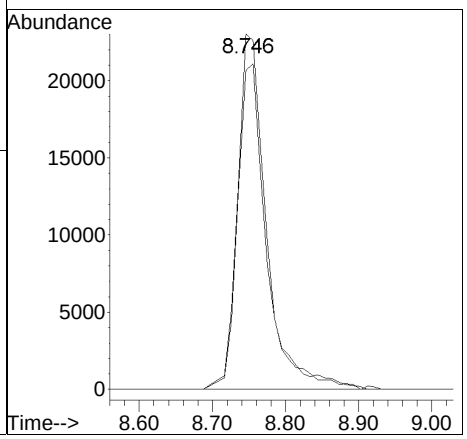


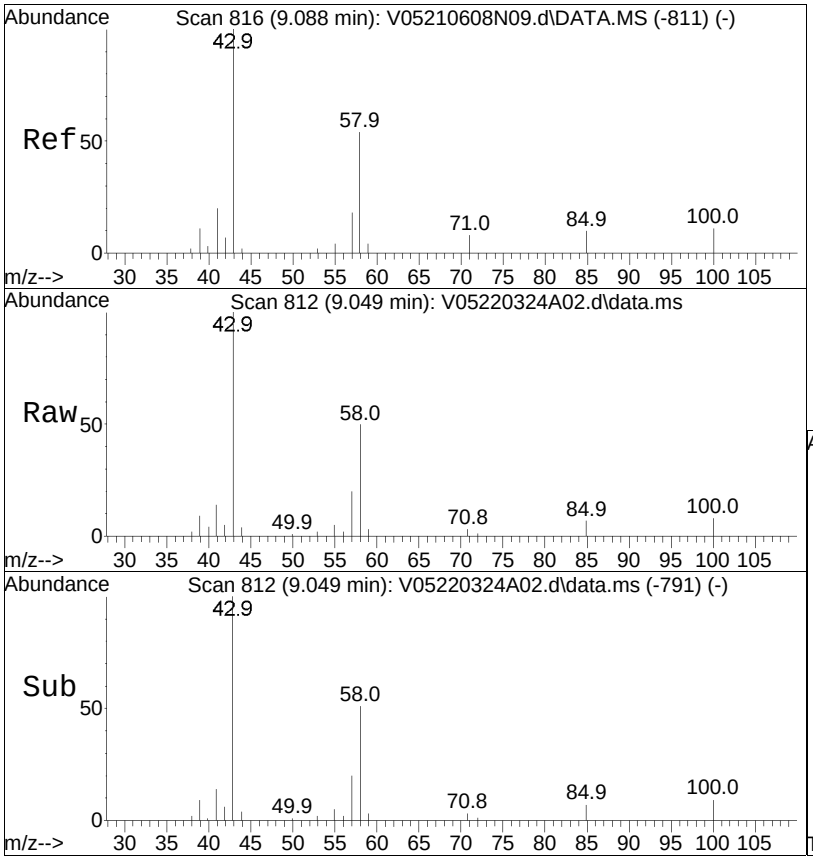


#71
1,2-Dibromoethane
Concen: 11.29 ug/L
RT: 8.746 min Scan# 781
Delta R.T. -0.009 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:107 Resp: 68854

Ion	Ratio	Lower	Upper
107	100		
109	92.0	75.0	112.6

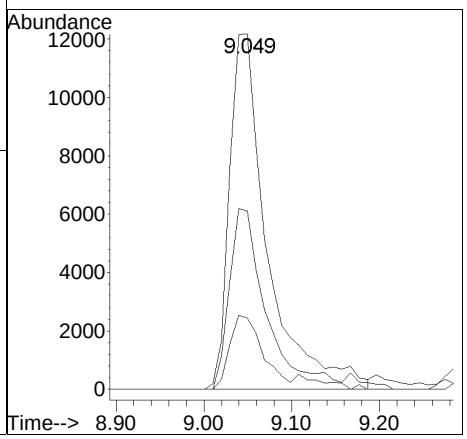


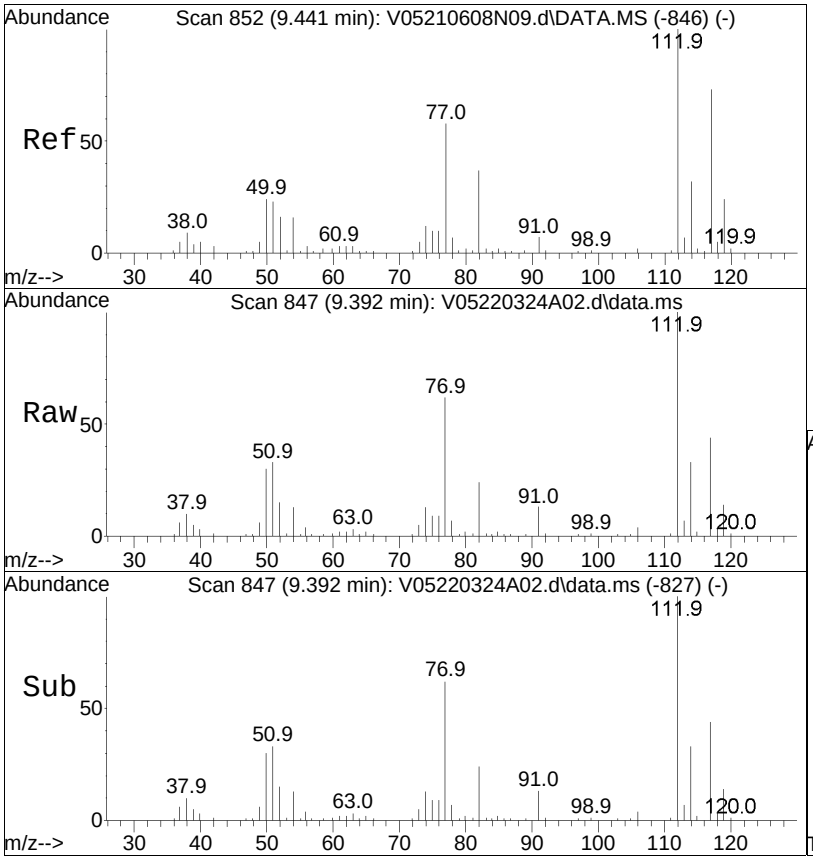


#72
2-Hexanone
Concen: 9.85 ug/L
RT: 9.049 min Scan# 812
Delta R.T. 0.009 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 43 Resp: 36696

Ion	Ratio	Lower	Upper
43	100		
58	49.6	42.3	63.5
57	18.2	15.6	23.4

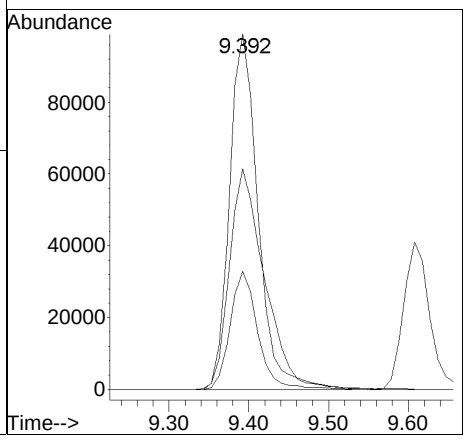


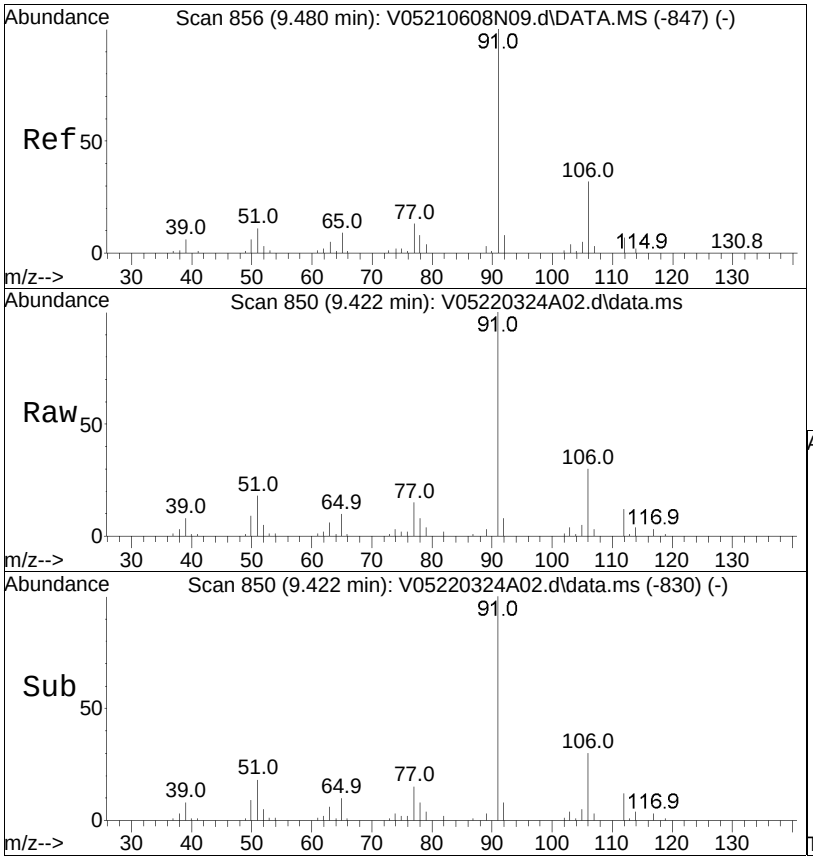


#73
Chlorobenzene
Concen: 11.90 ug/L
RT: 9.392 min Scan# 847
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:112 Resp: 247383

Ion	Ratio	Lower	Upper
112	100		
77	75.8	66.1	99.1
114	32.0	25.4	38.0

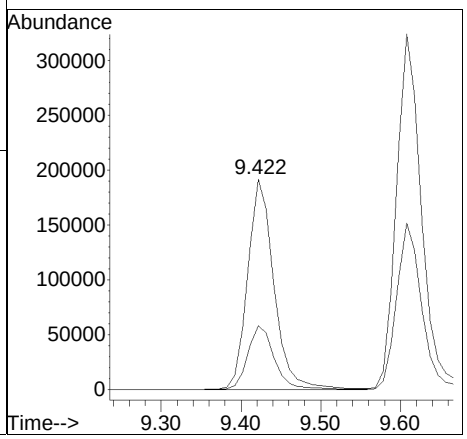


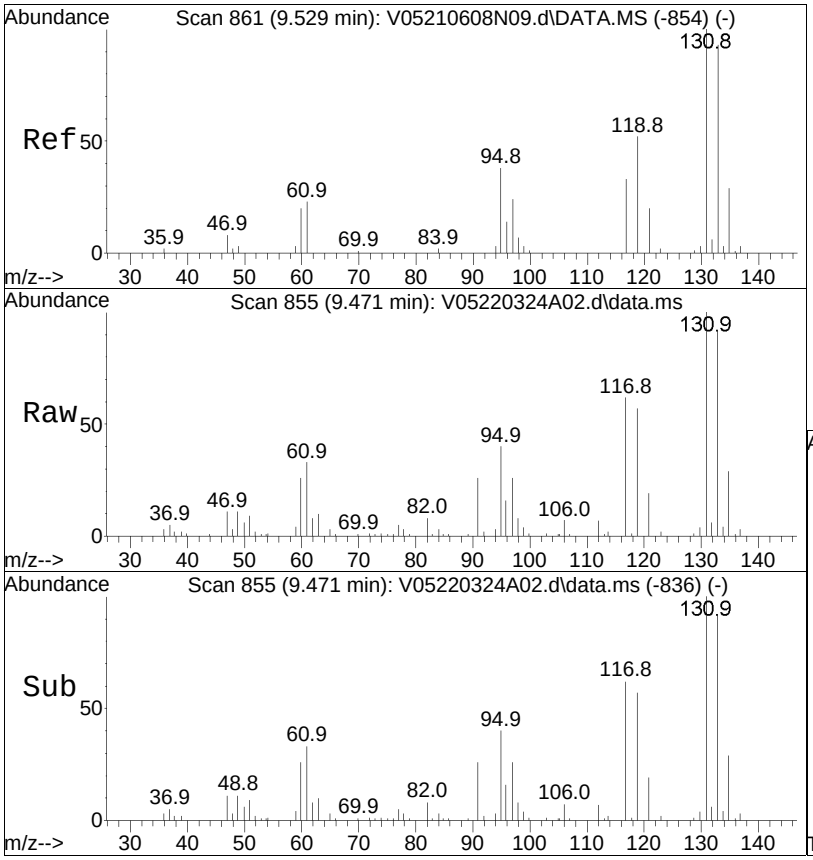


#74
Ethylbenzene
Concen: 11.85 ug/L
RT: 9.422 min Scan# 850
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 91 Resp: 439502

Ion	Ratio	Lower	Upper
91	100		
106	30.5	22.9	34.3

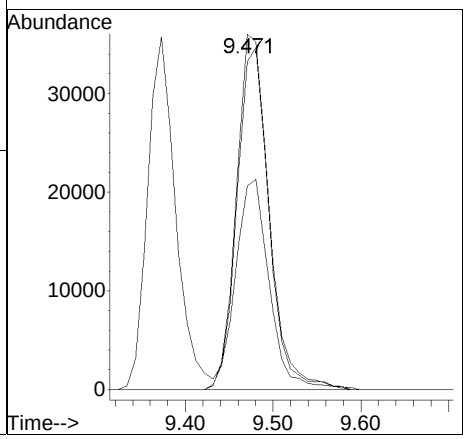


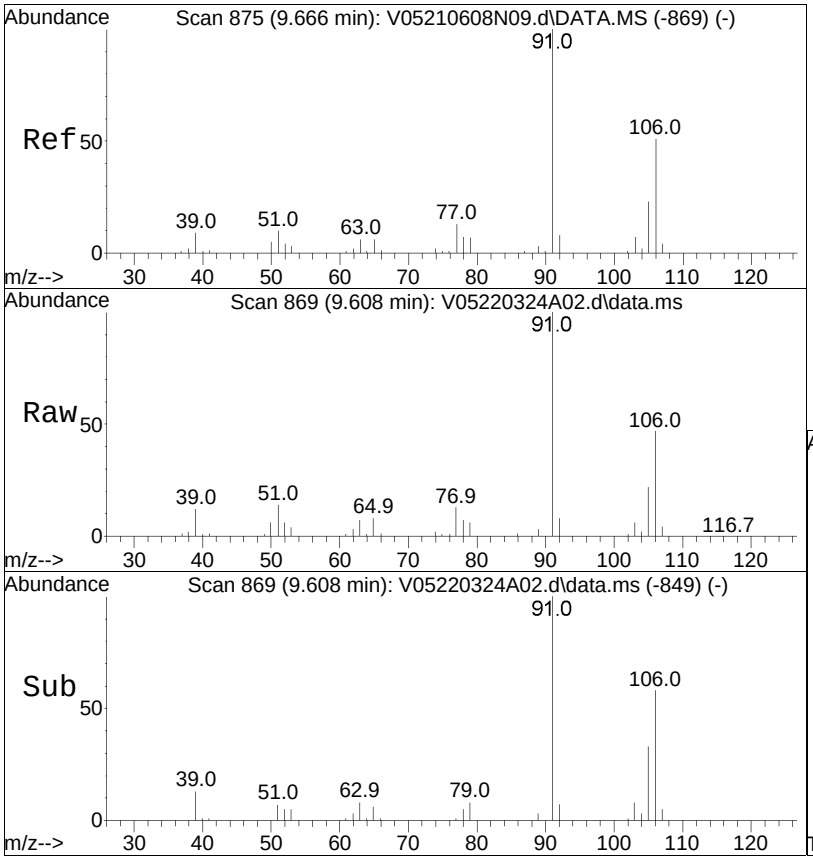


#75
1,1,1,2-Tetrachloroethane
Concen: 13.01 ug/L
RT: 9.471 min Scan# 855
Delta R.T. -0.009 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:131 Resp: 93401

Ion	Ratio	Lower	Upper
131	100		
133	94.2	75.8	115.8
119	60.4	41.2	81.2

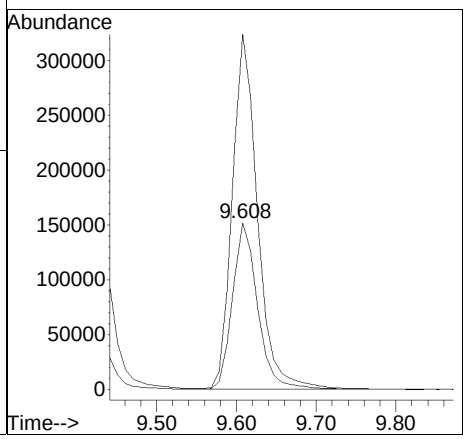


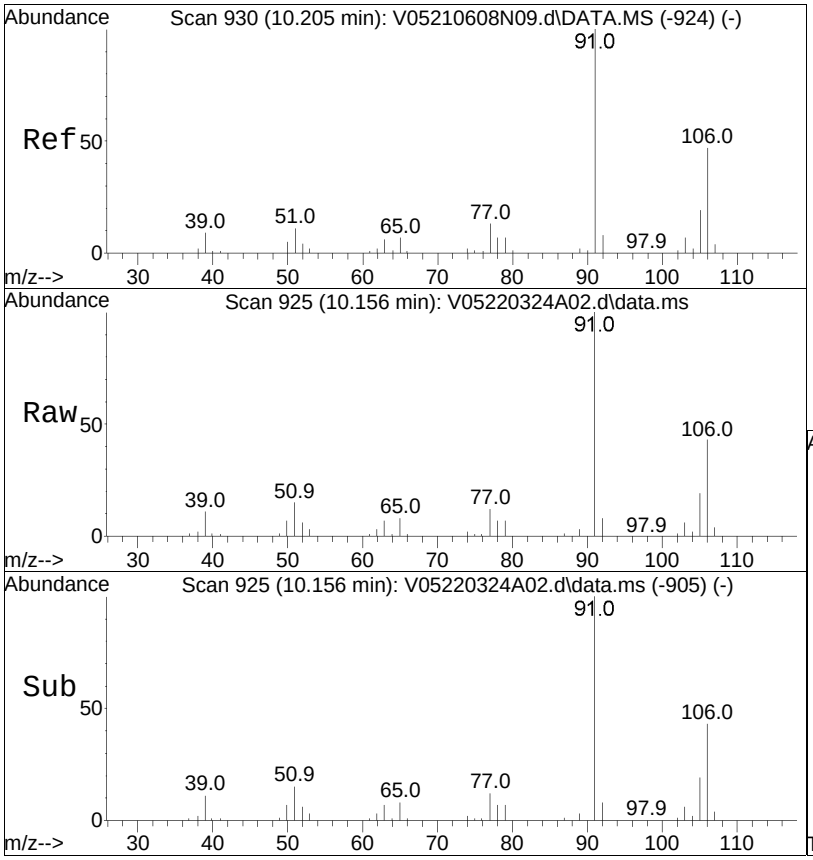


#76
p/m Xylene
Concen: 24.00 ug/L
RT: 9.608 min Scan# 869
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:106 Resp: 331661

Ion	Ratio	Lower	Upper
106	100		
91	212.9	177.2	265.8

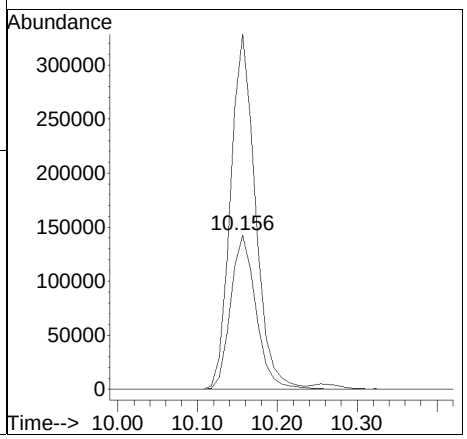


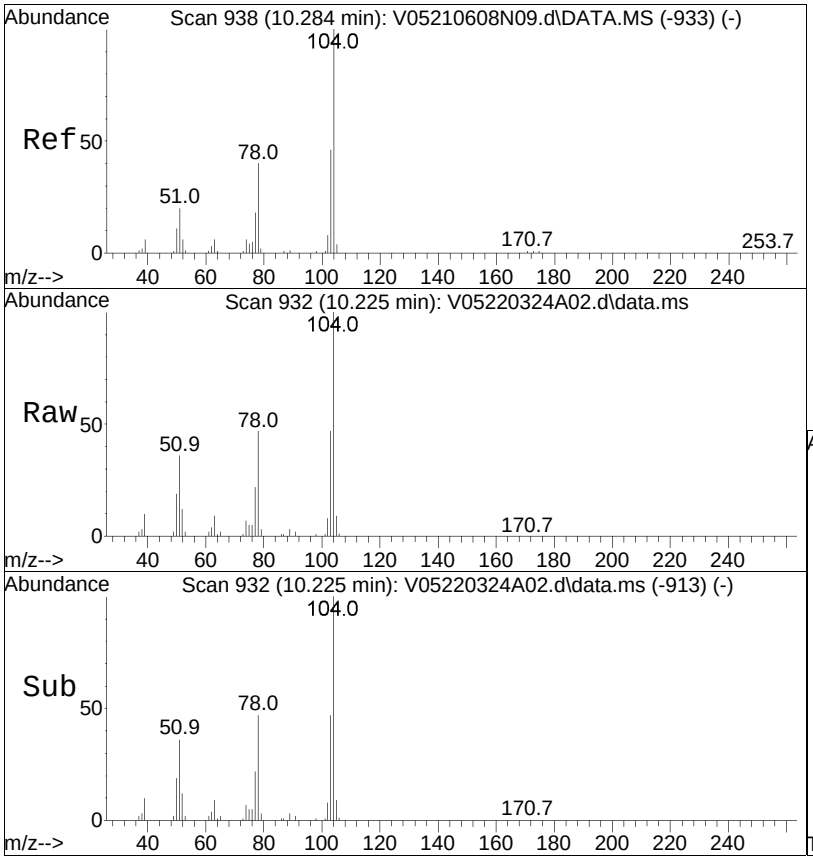


#77
o Xylene
Concen: 24.02 ug/L
RT: 10.156 min Scan# 925
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:106 Resp: 316918

Ion	Ratio	Lower	Upper
106	100		
91	224.5	187.0	280.6

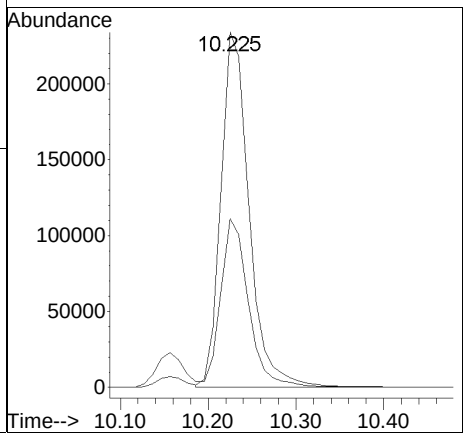


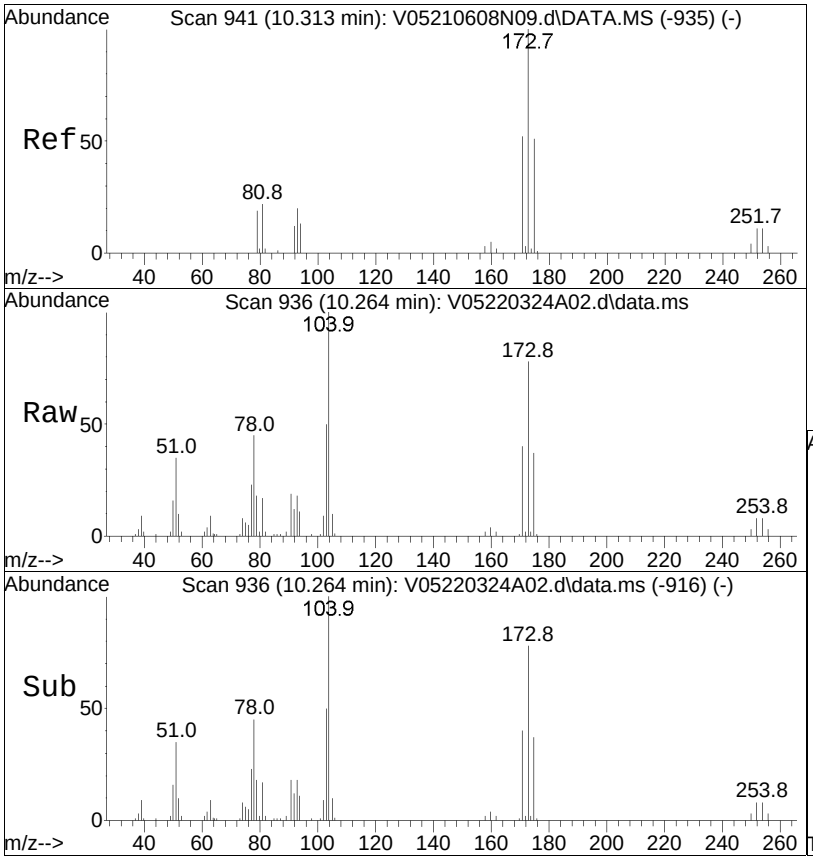


#78
Styrene
Concen: 24.14 ug/L
RT: 10.225 min Scan# 932
Delta R.T. -0.010 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:104 Resp: 520623

Ion	Ratio	Lower	Upper
104	100		
78	46.8	39.6	59.4

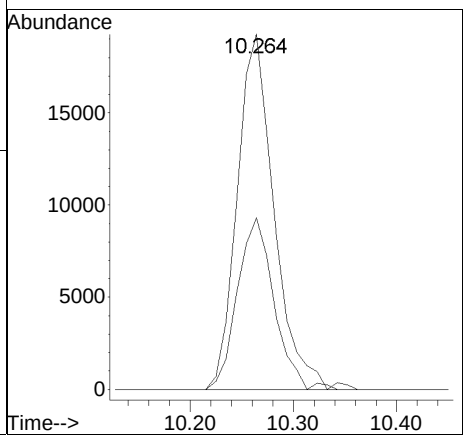


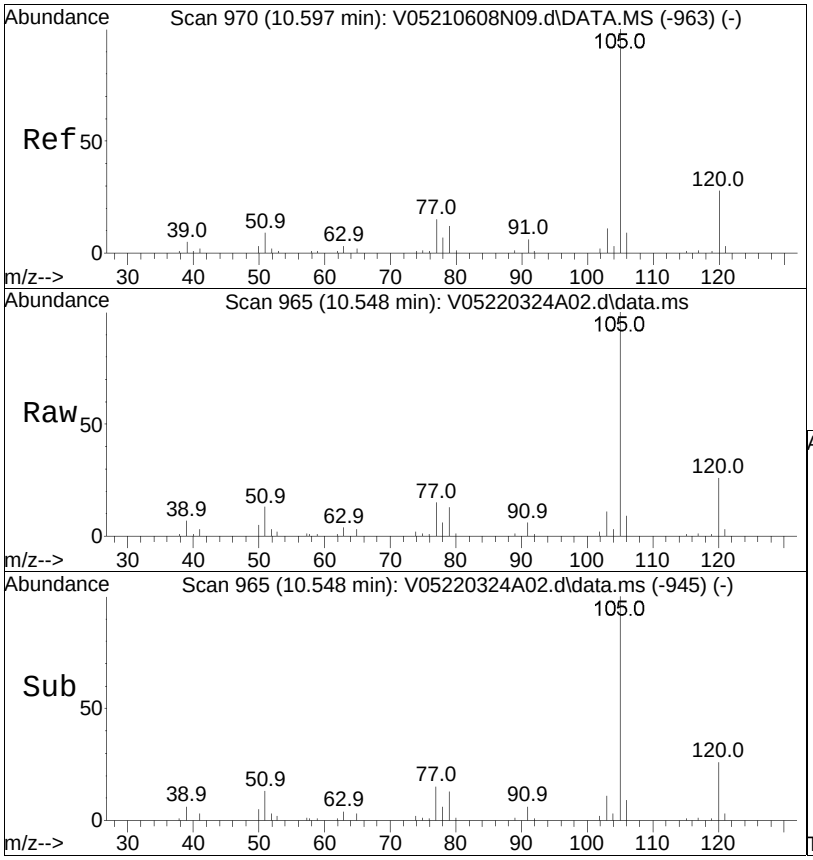


#80
Bromoform
Concen: 11.93 ug/L
RT: 10.264 min Scan# 936
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:173 Resp: 47938

Ion	Ratio	Lower	Upper
173	100		
175	47.9	26.6	66.6

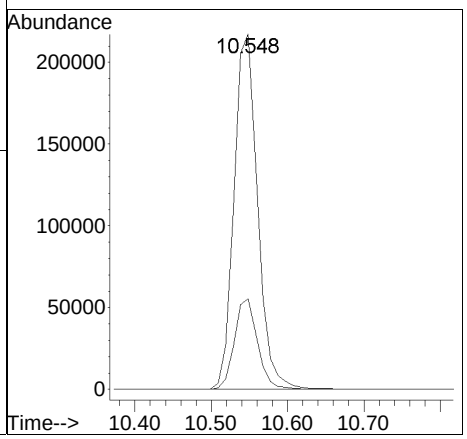


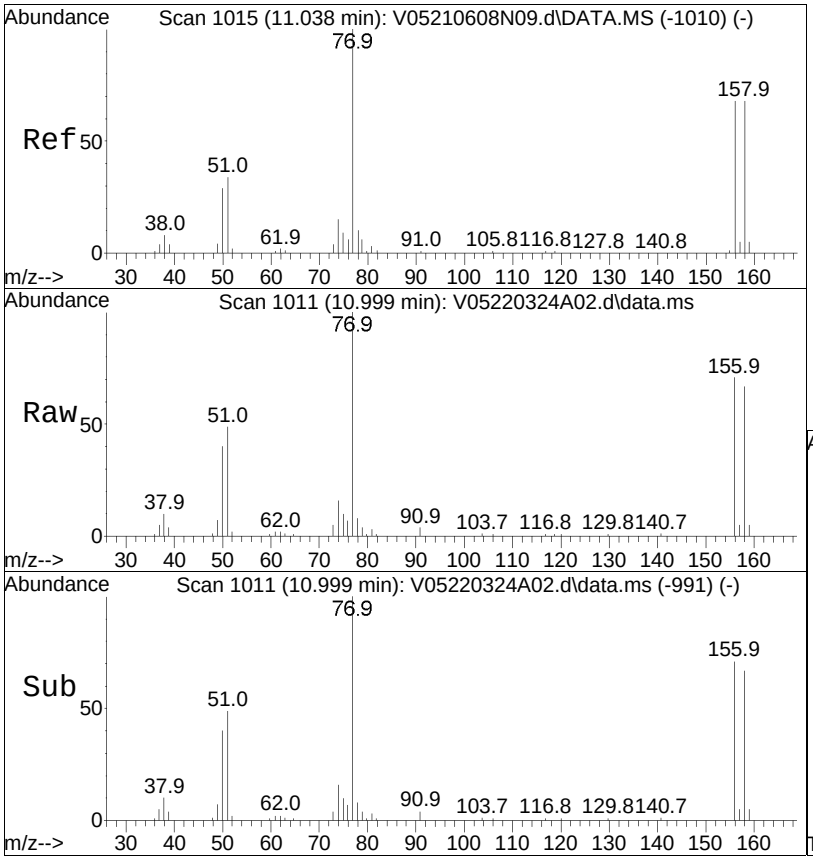


#82
Isopropylbenzene
Concen: 11.89 ug/L
RT: 10.548 min Scan# 965
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:105 Resp: 467706

Ion	Ratio	Lower	Upper
105	100		
120	24.9	4.8	44.8

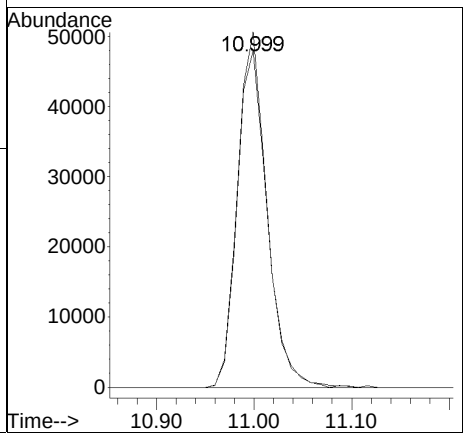


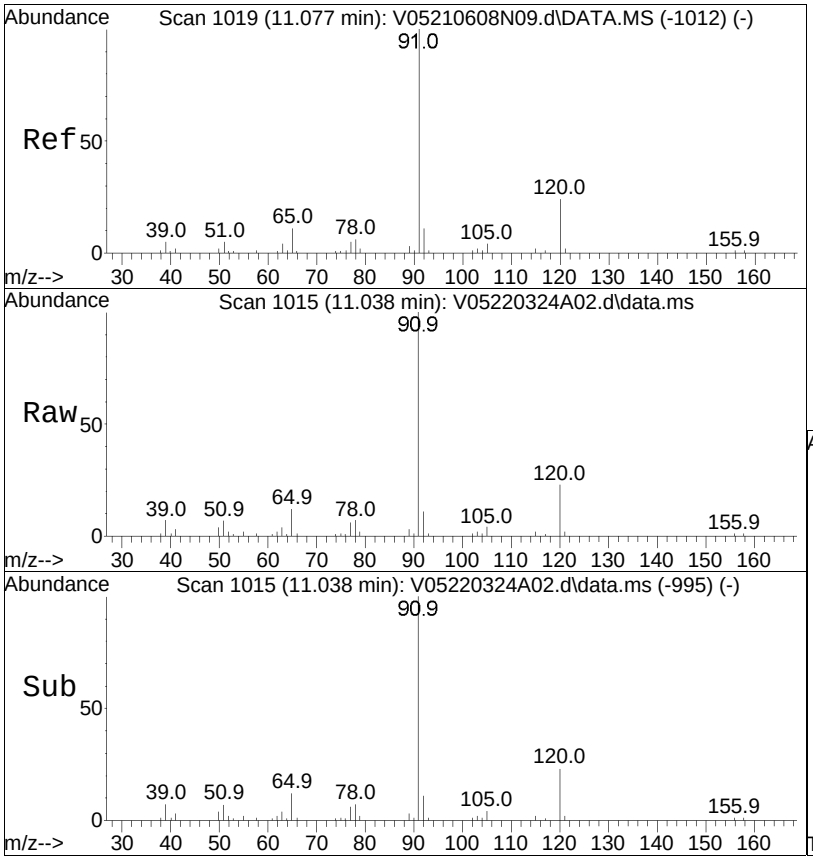


#84
Bromobenzene
Concen: 12.10 ug/L
RT: 10.999 min Scan# 1011
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:156 Resp: 106022

Ion	Ratio	Lower	Upper
156	100		
158	97.3	77.8	116.8

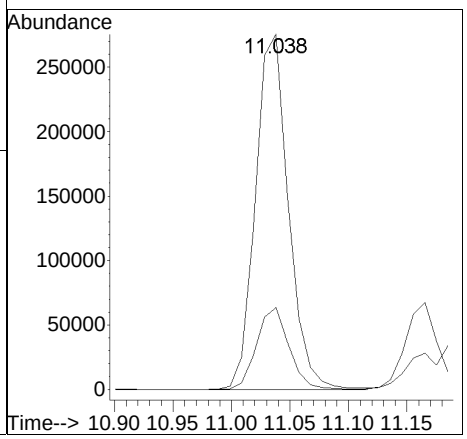


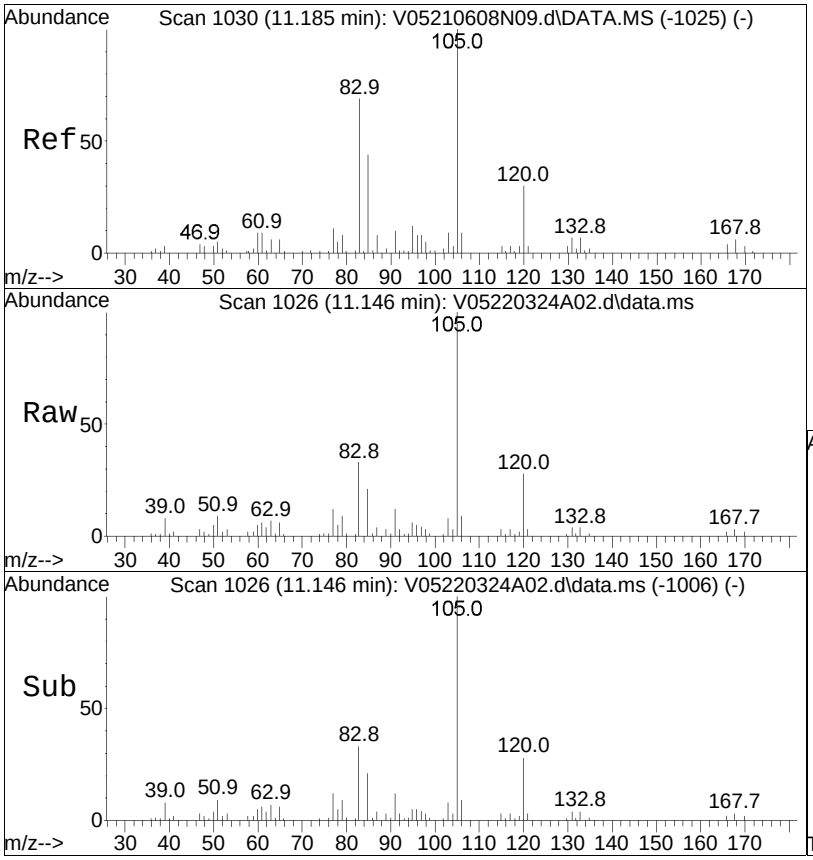


#85
n-Propylbenzene
Concen: 11.98 ug/L
RT: 11.038 min Scan# 1015
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 91 Resp: 540129

Ion	Ratio	Lower	Upper
91	100		
120	22.6	17.3	25.9

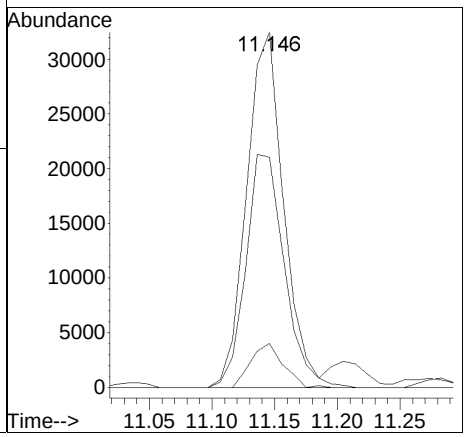


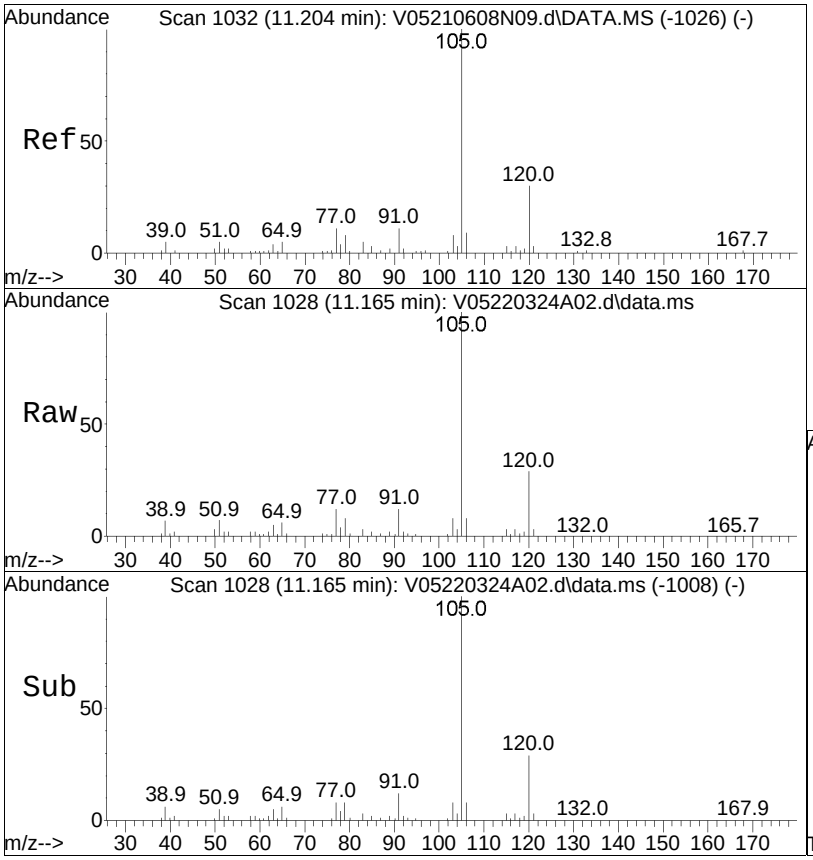


#87
1,1,2,2-Tetrachloroethane
Concen: 10.89 ug/L
RT: 11.146 min Scan# 1026
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 83 Resp: 66576

Ion	Ratio	Lower	Upper
83	100		
131	10.9	0.0	30.4
85	67.8	46.4	86.4

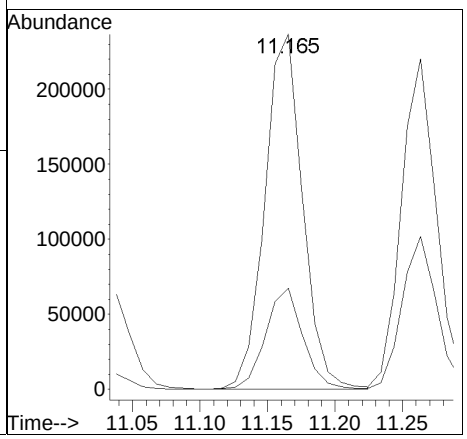


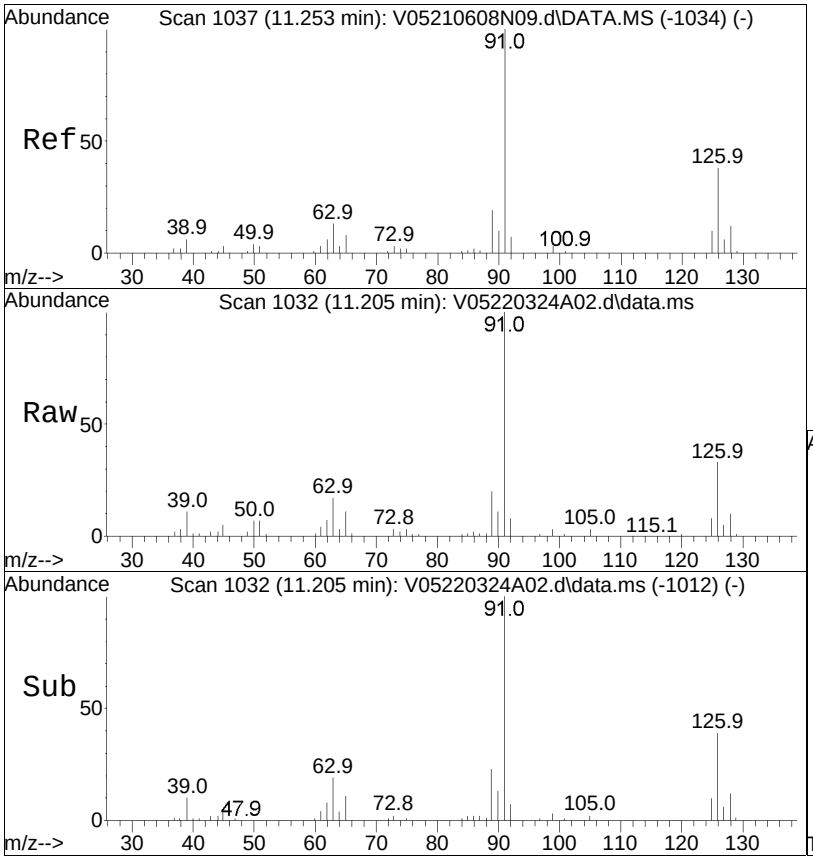


#88
4-Ethyltoluene
Concen: 12.31 ug/L
RT: 11.165 min Scan# 1028
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:105 Resp: 461887

Ion	Ratio	Lower	Upper
105	100		
120	28.0	18.5	38.3

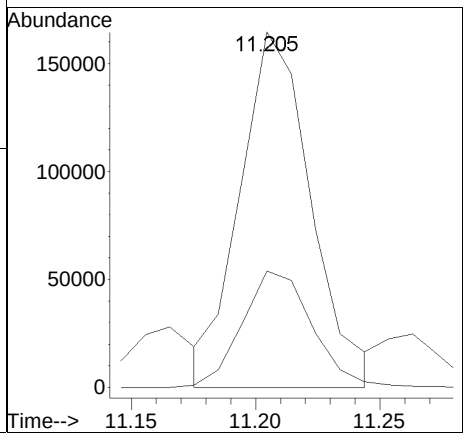


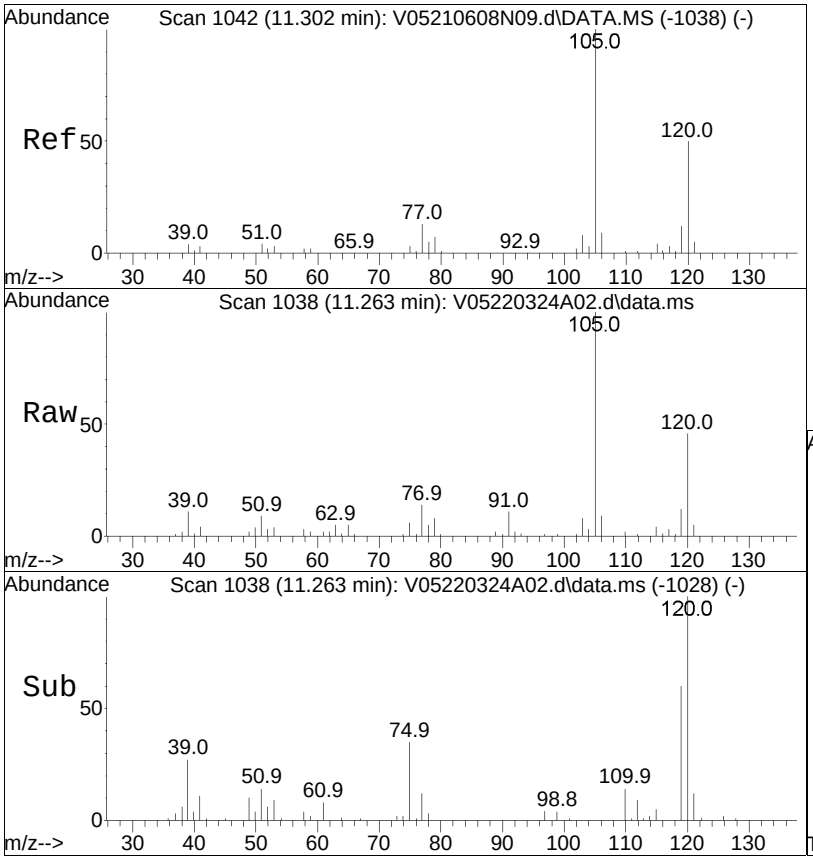


#89
2-Chlorotoluene
Concen: 11.91 ug/L M6
RT: 11.205 min Scan# 1032
Delta R.T. 0.001 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 91 Resp: 326661

Ion	Ratio	Lower	Upper
91	100		
126	32.6	23.5	35.3

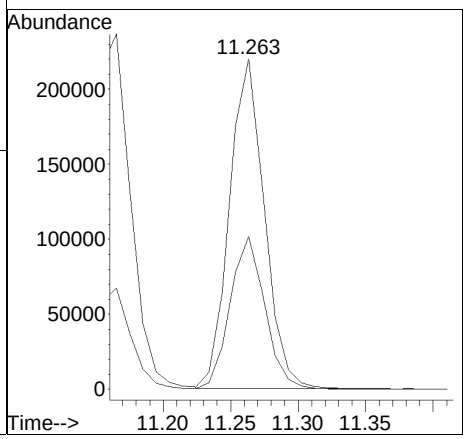


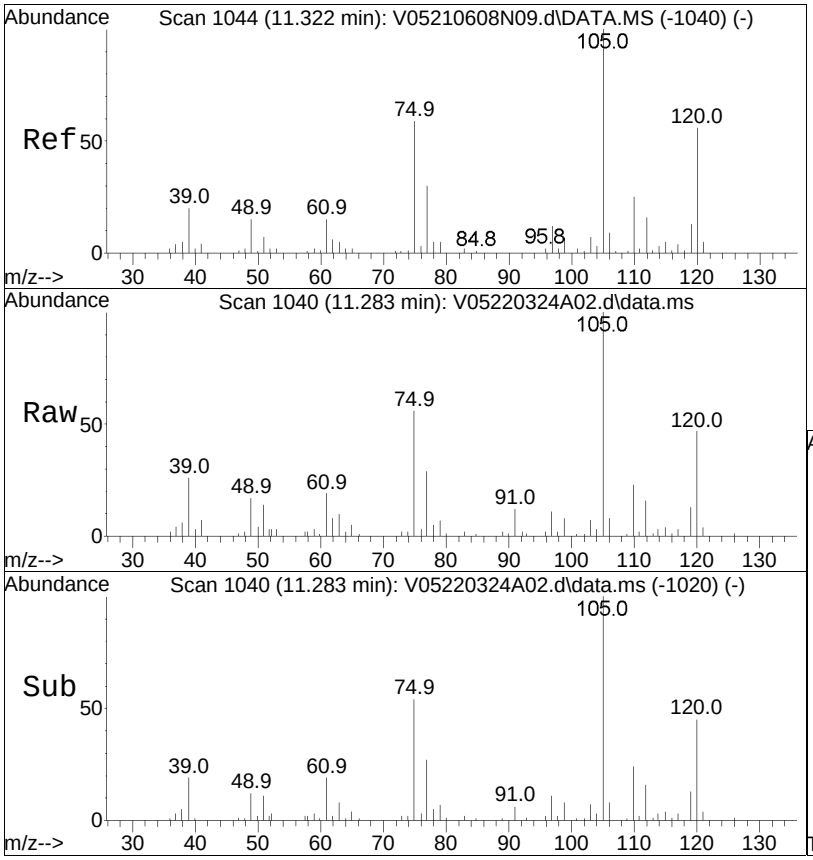


#90
1,3,5-Trimethylbenzene
Concen: 12.08 ug/L
RT: 11.263 min Scan# 1038
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:105 Resp: 396402

Ion	Ratio	Lower	Upper
105	100		
120	46.4	37.0	55.6

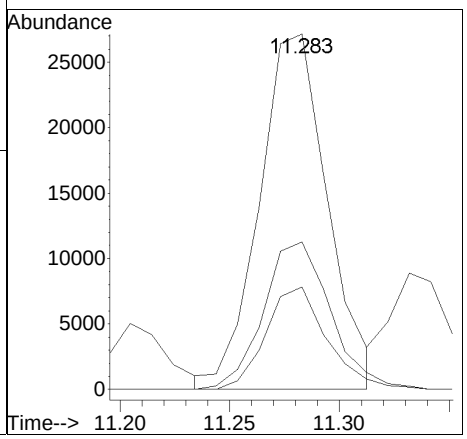


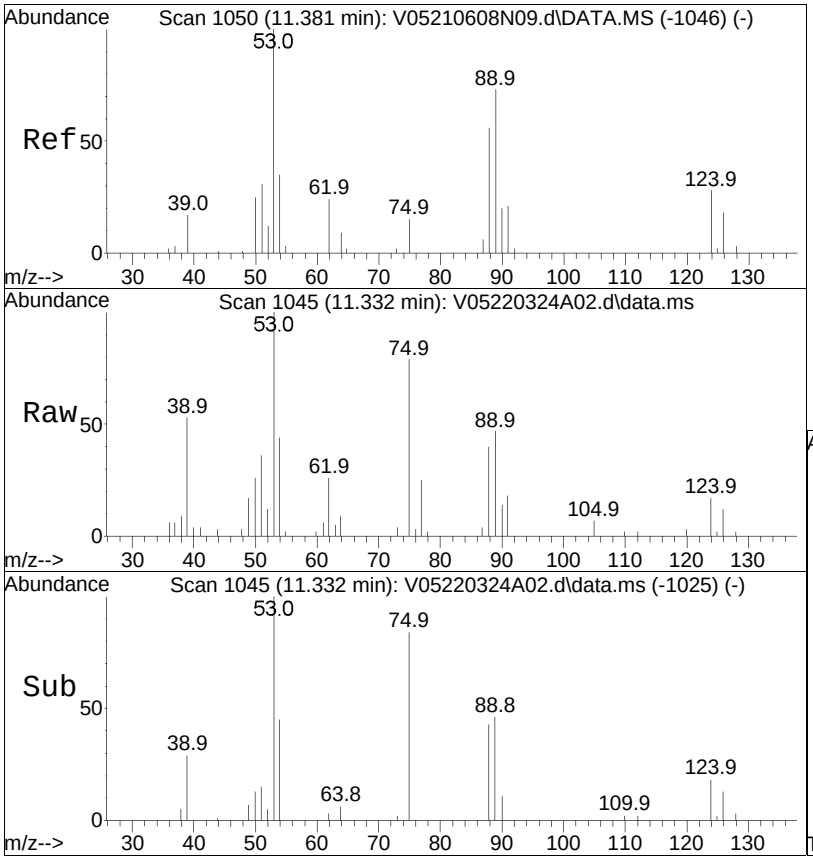


#91
1,2,3-Trichloropropane
Concen: 10.93 ug/L M1
RT: 11.283 min Scan# 1040
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 75 Resp: 58766

Ion	Ratio	Lower	Upper
75	100		
110	40.9	24.2	50.4
112	26.0	15.7	32.5

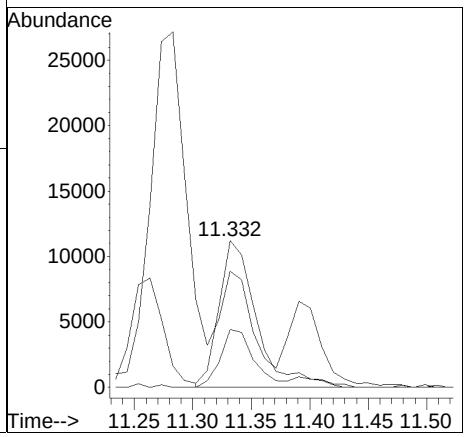


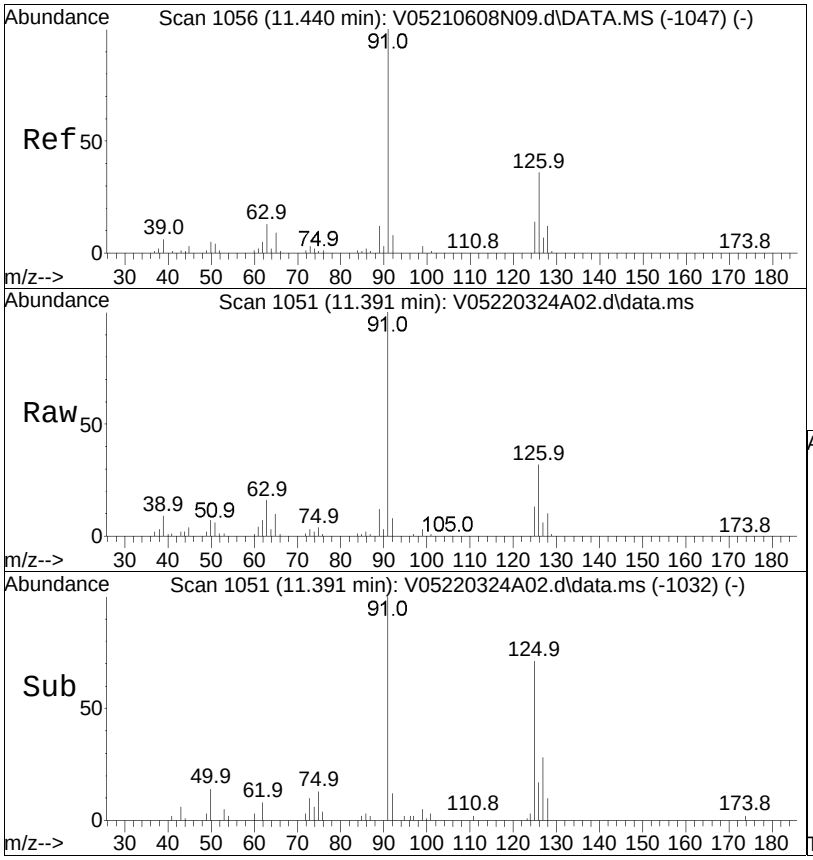


#92
trans-1,4-Dichloro-2-butene
Concen: 10.73 ug/L
RT: 11.332 min Scan# 1045
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 53 Resp: 25238

Ion	Ratio	Lower	Upper
53	100		
88	35.6	39.1	58.7#
75	63.6	58.6	88.0

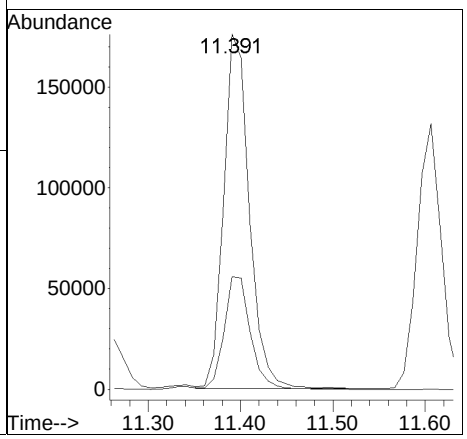


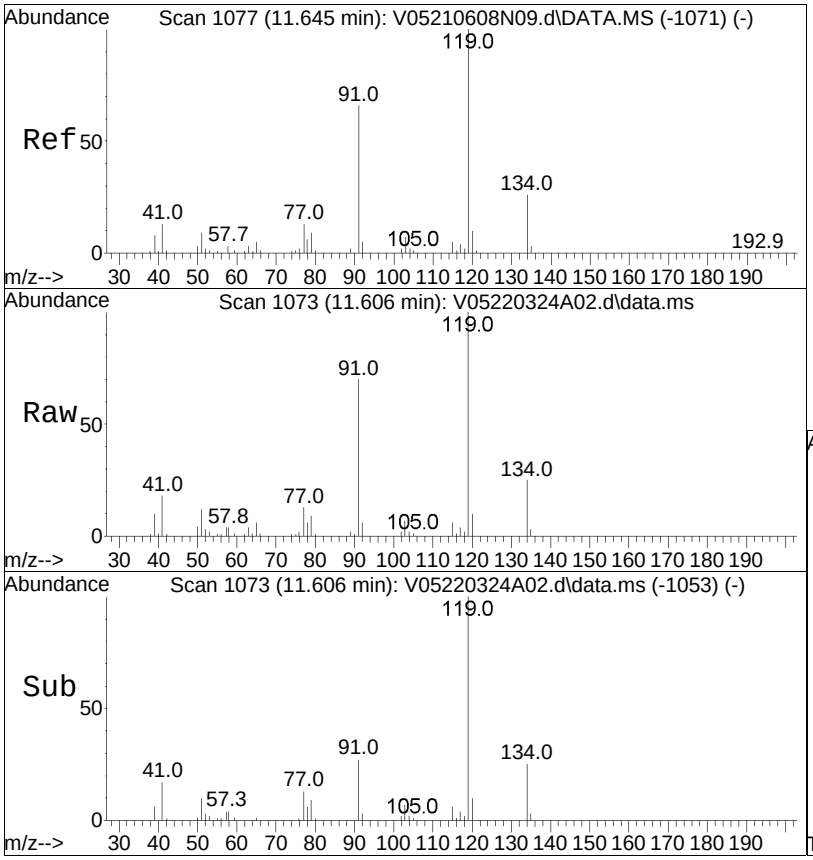


#93
4-Chlorotoluene
Concen: 11.90 ug/L
RT: 11.391 min Scan# 1051
Delta R.T. -0.009 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 91 Resp: 340096

Ion	Ratio	Lower	Upper
91	100		
126	33.5	24.6	36.8

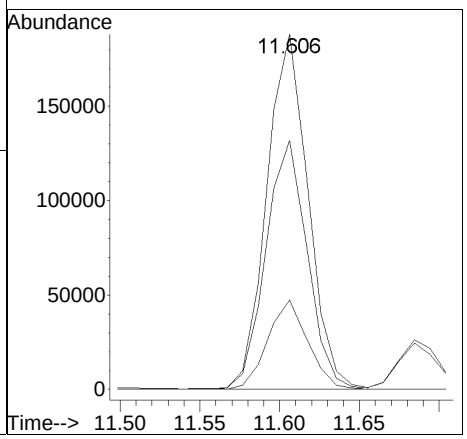


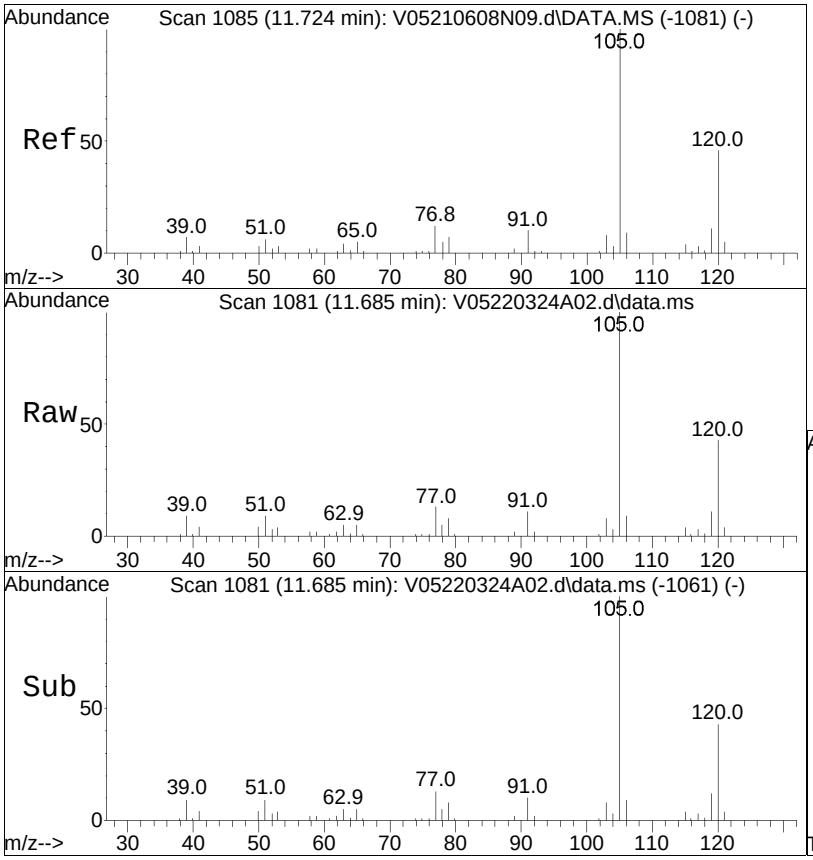


#94
tert-Butylbenzene
Concen: 12.02 ug/L
RT: 11.606 min Scan# 1073
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:119 Resp: 339302

Ion	Ratio	Lower	Upper
119	100		
91	70.0	49.2	73.8
134	24.4	18.3	27.5

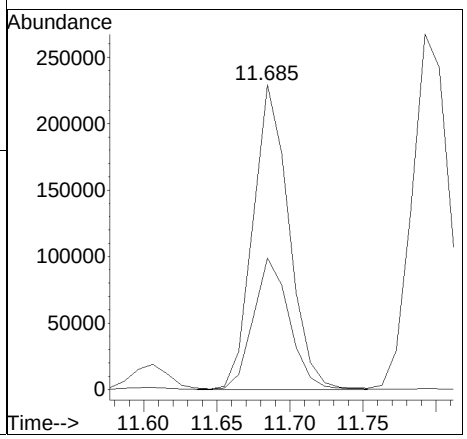


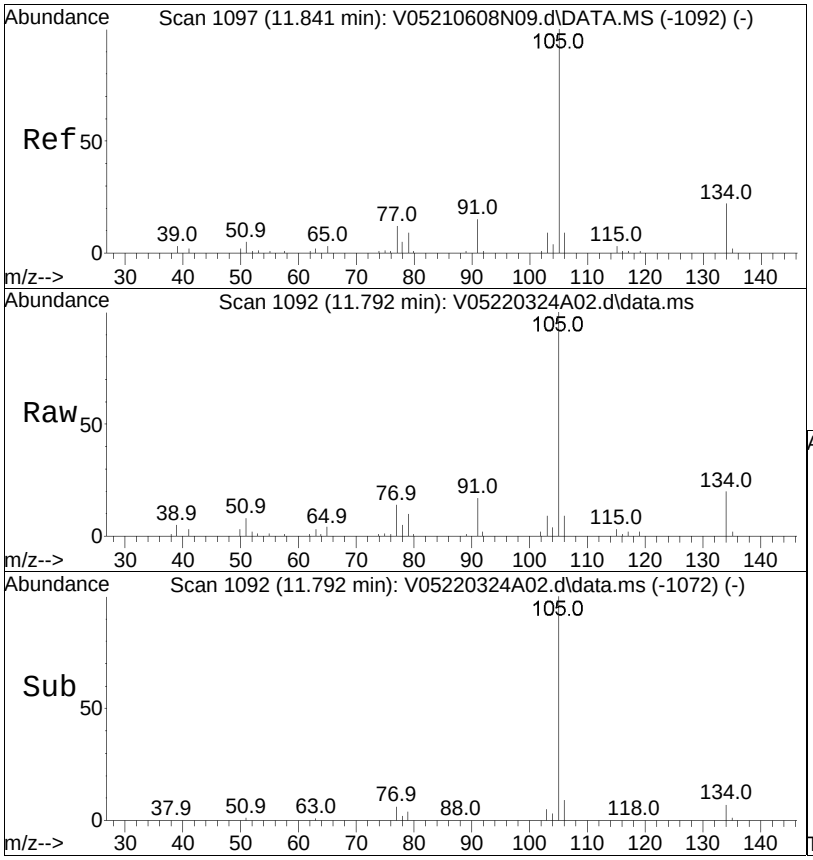


#97
1,2,4-Trimethylbenzene
Concen: 12.26 ug/L
RT: 11.685 min Scan# 1081
Delta R.T. 0.001 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:105 Resp: 392260

Ion	Ratio	Lower	Upper
105	100		
120	43.0	34.4	51.6

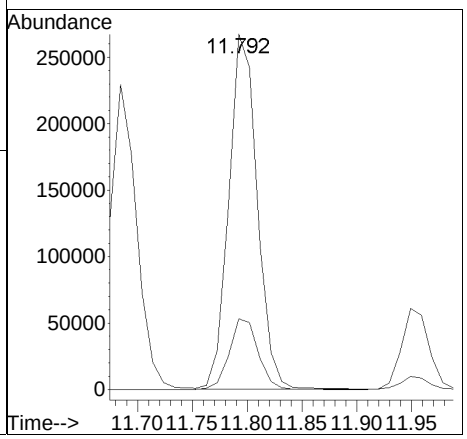


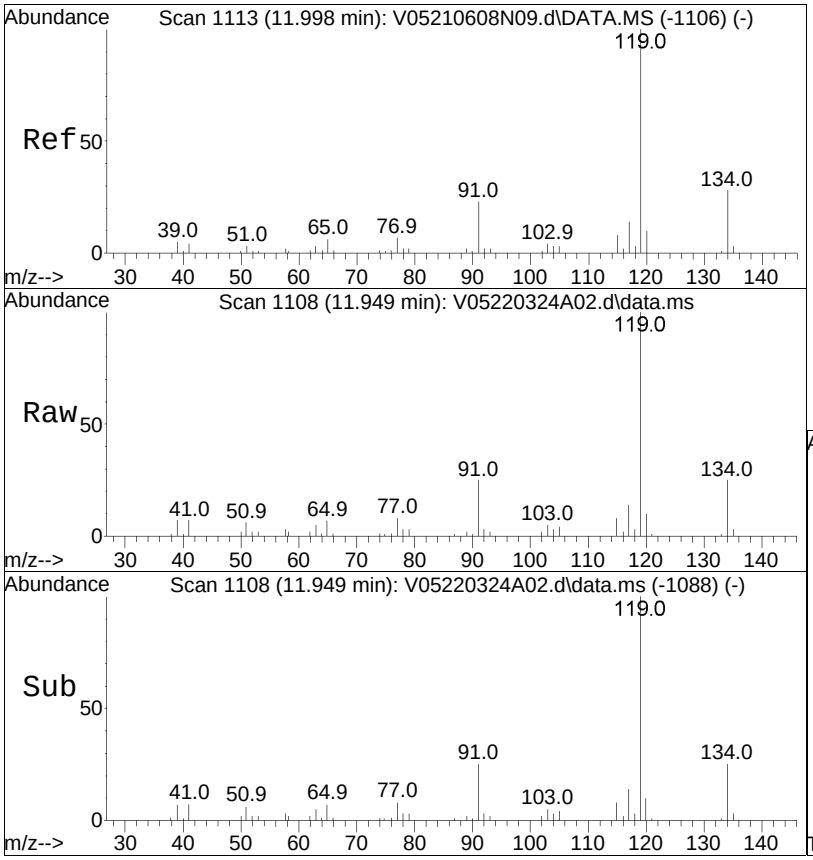


#98
sec-Butylbenzene
Concen: 11.97 ug/L
RT: 11.792 min Scan# 1092
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:105 Resp: 481403

Ion	Ratio	Lower	Upper
105	100		
134	20.1	12.9	26.9

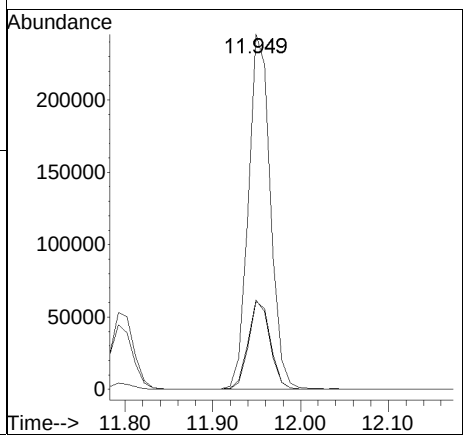


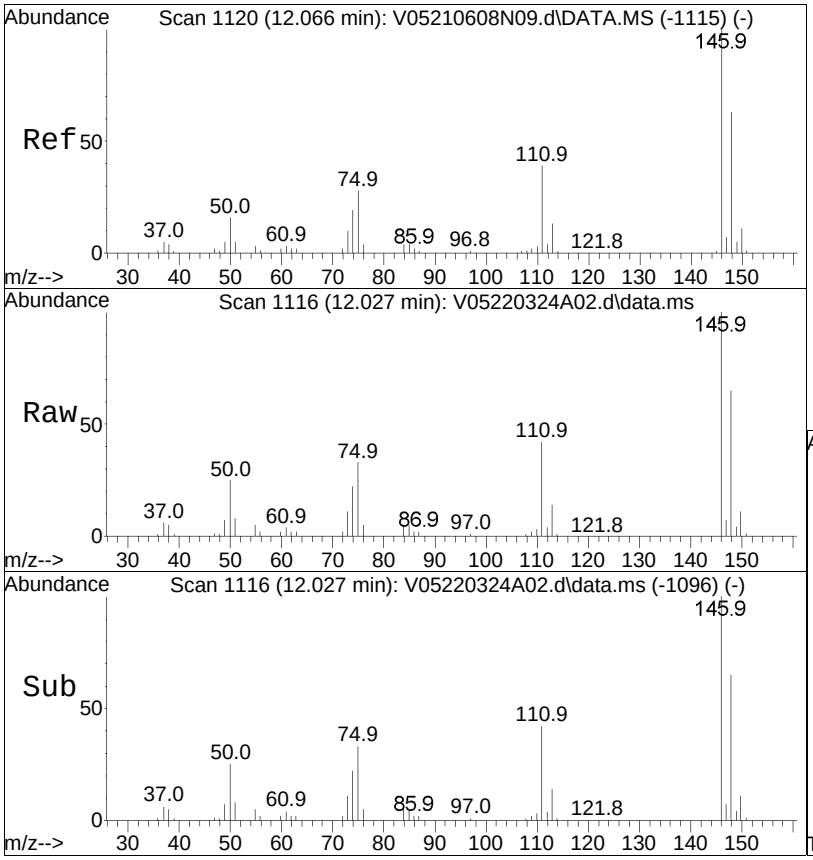


#99
p-Isopropyltoluene
Concen: 12.37 ug/L
RT: 11.949 min Scan# 1108
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:119 Resp: 428983

Ion	Ratio	Lower	Upper
119	100		
134	24.7	16.0	33.2
91	25.0	16.8	35.0

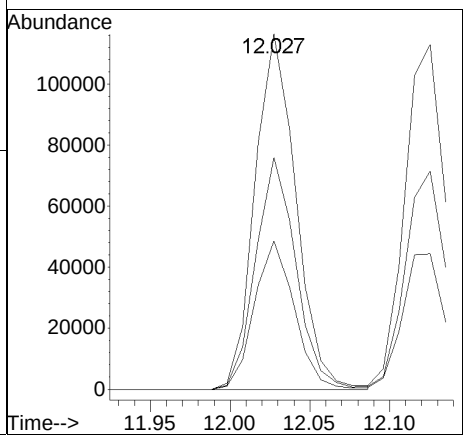


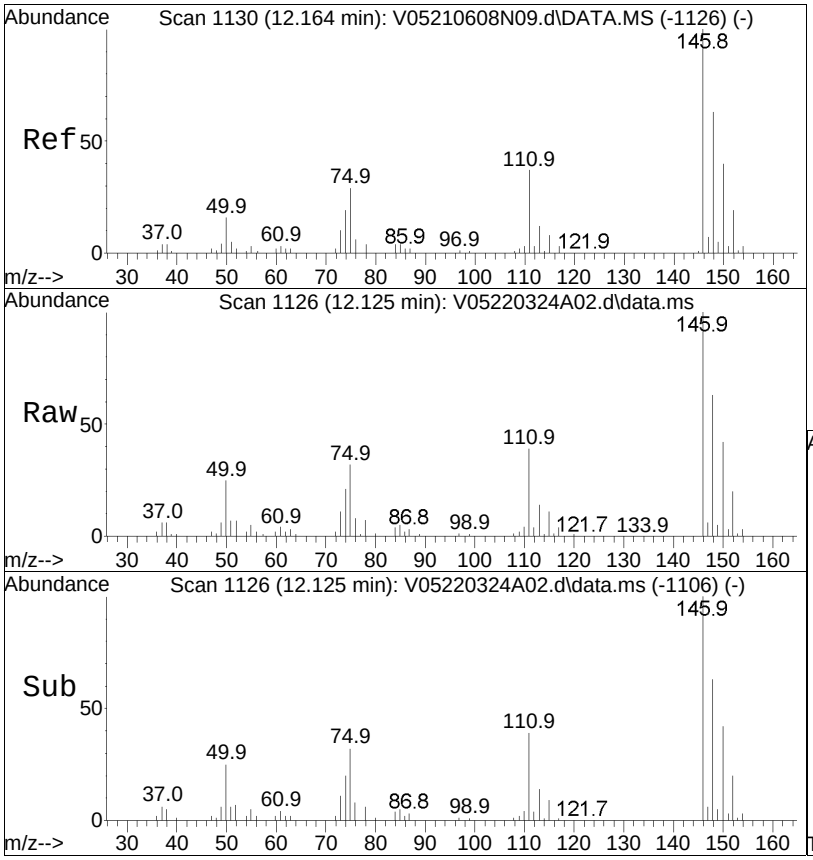


#100
1,3-Dichlorobenzene
Concen: 12.15 ug/L
RT: 12.027 min Scan# 1116
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:146 Resp: 207769

Ion	Ratio	Lower	Upper
146	100		
111	40.8	28.0	58.1
148	63.9	41.6	86.4

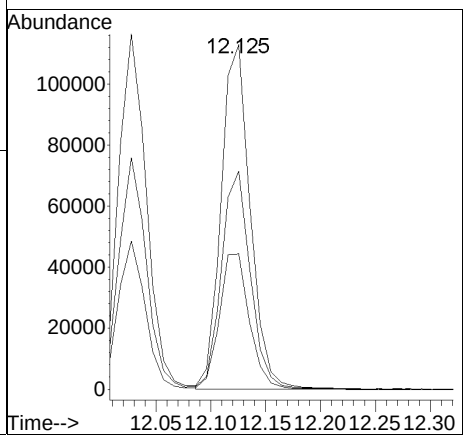


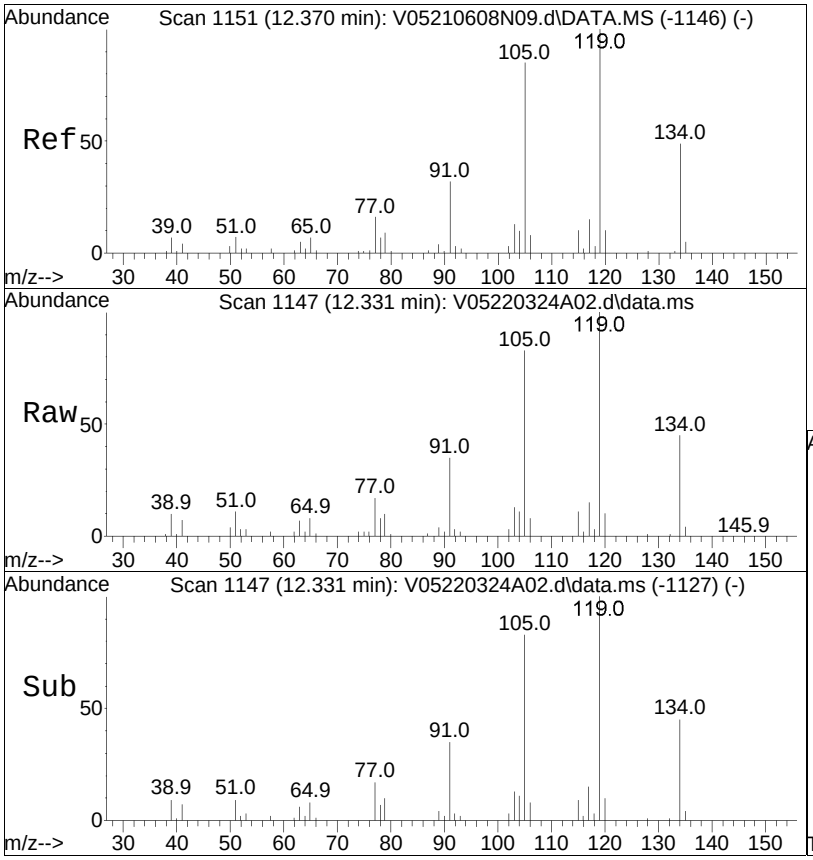


#101
1,4-Dichlorobenzene
Concen: 12.06 ug/L
RT: 12.125 min Scan# 1126
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:146 Resp: 208860

Ion	Ratio	Lower	Upper
146	100		
111	41.0	33.8	50.6
148	63.7	51.0	76.6

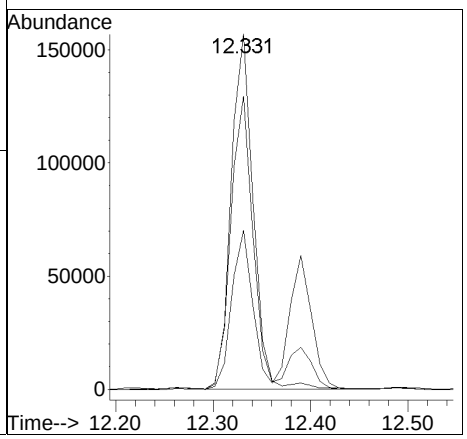


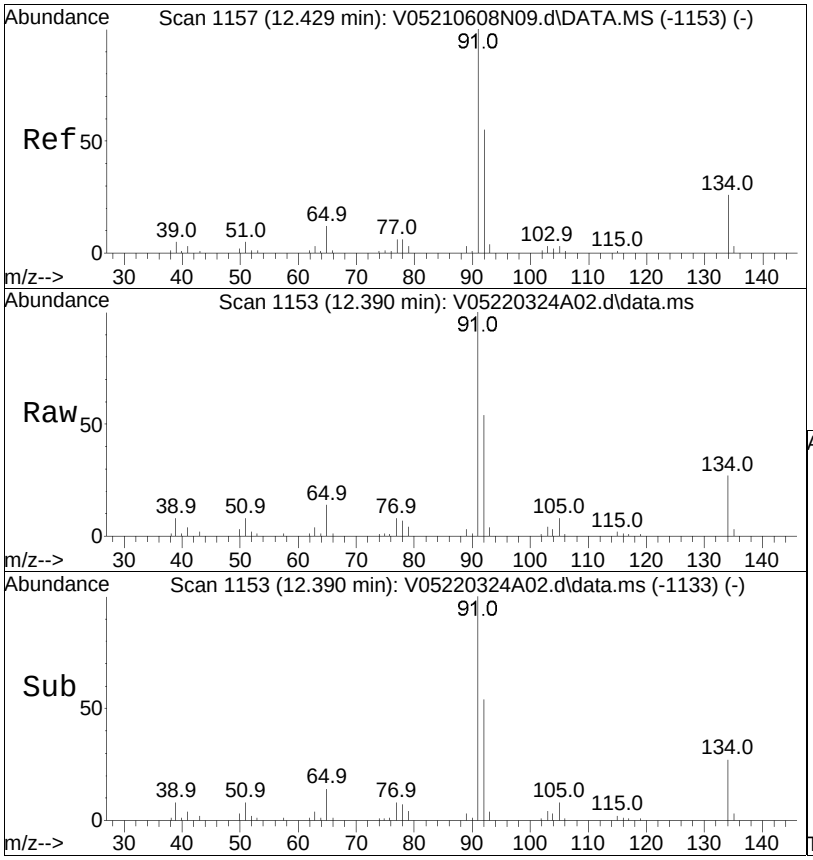


#102
p-Diethylbenzene
Concen: 12.58 ug/L
RT: 12.331 min Scan# 1147
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:119 Resp: 247240

Ion	Ratio	Lower	Upper
119	100		
105	81.4	54.6	113.4
134	42.9	29.0	60.2

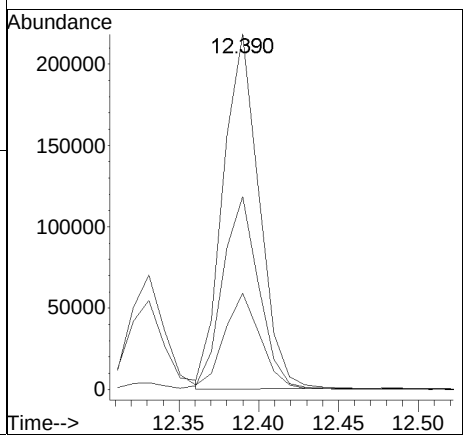


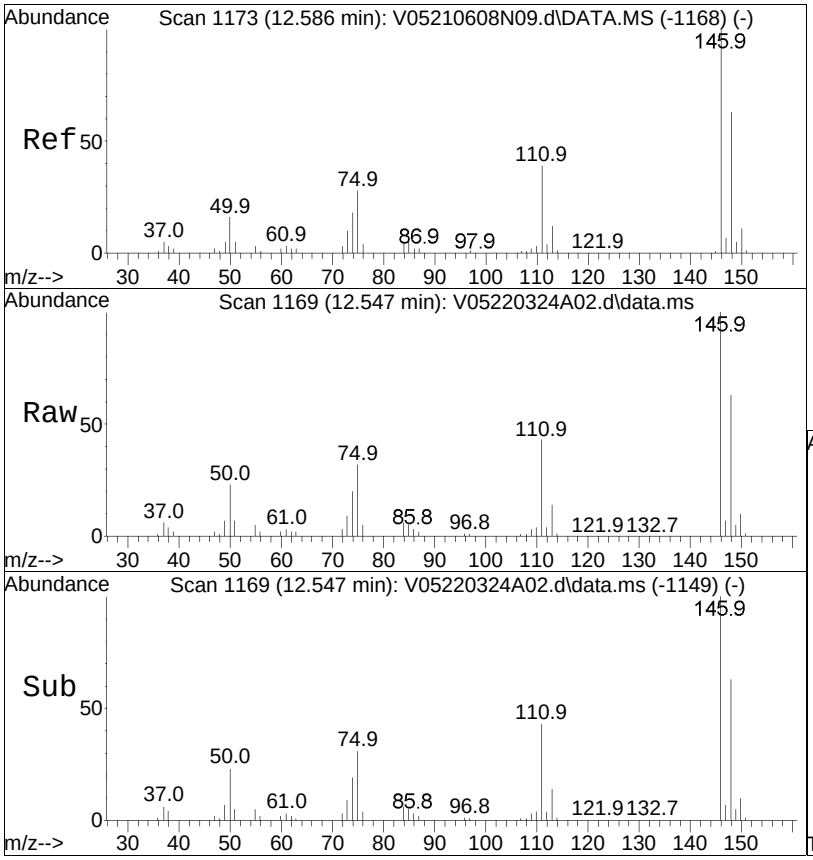


#103
n-Butylbenzene
Concen: 12.05 ug/L
RT: 12.390 min Scan# 1153
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion: 91 Resp: 343858

Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.2	66.2
134	26.9	20.2	30.2

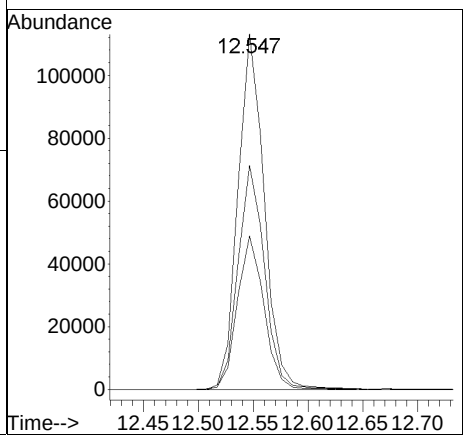


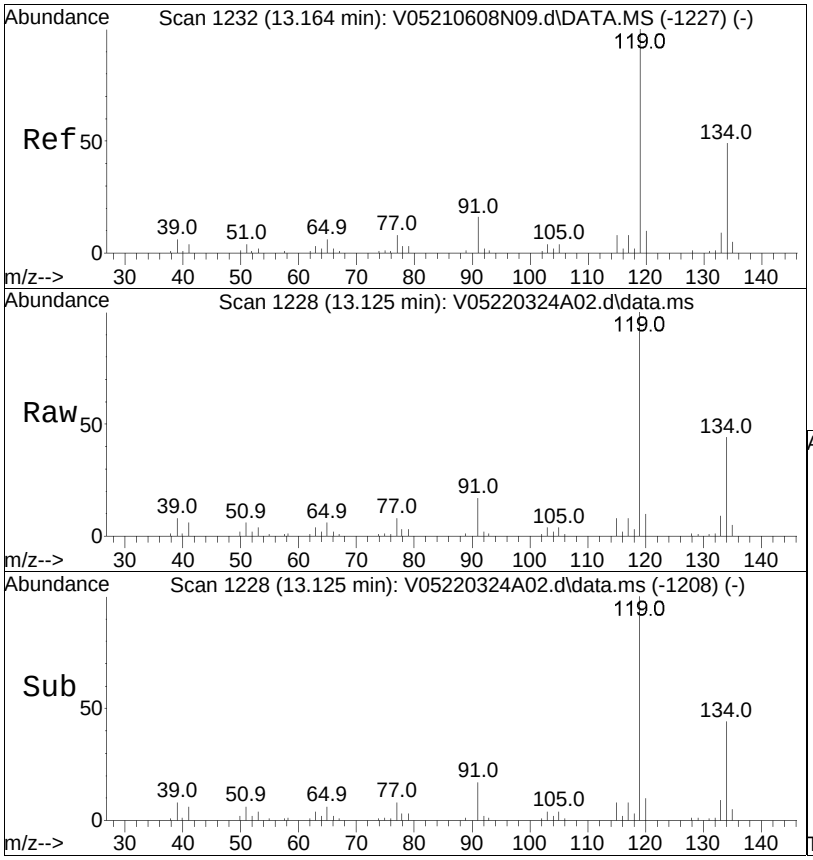


#104
1,2-Dichlorobenzene
Concen: 12.23 ug/L
RT: 12.547 min Scan# 1169
Delta R.T. 0.001 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:146 Resp: 188705

Ion	Ratio	Lower	Upper
146	100		
111	43.6	29.1	60.5
148	63.4	41.7	86.7

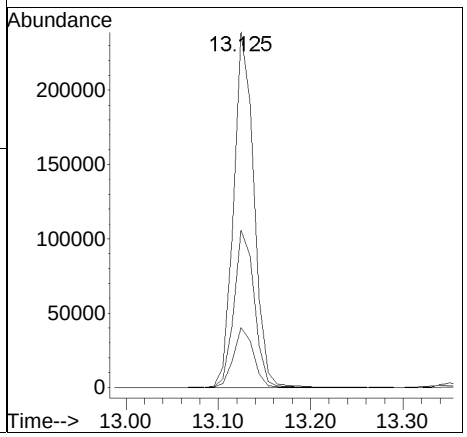


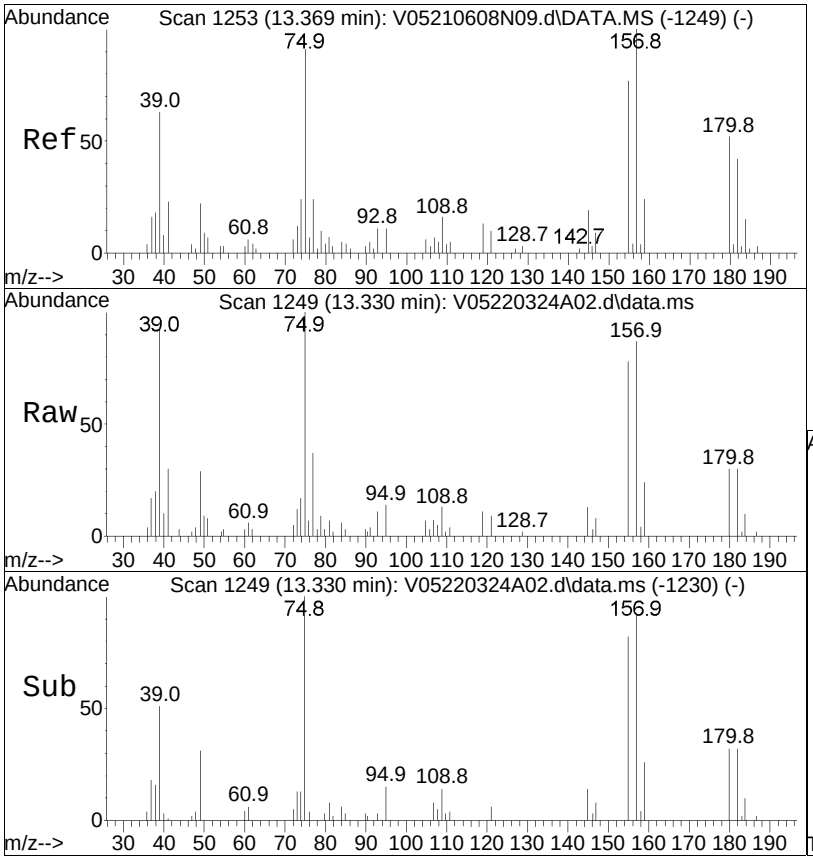


#105
1,2,4,5-Tetramethylbenzene
Concen: 12.74 ug/L
RT: 13.125 min Scan# 1228
Delta R.T. 0.001 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:119 Resp: 365652

Ion	Ratio	Lower	Upper
119	100		
134	44.6	28.7	59.7
91	16.7	11.6	24.0

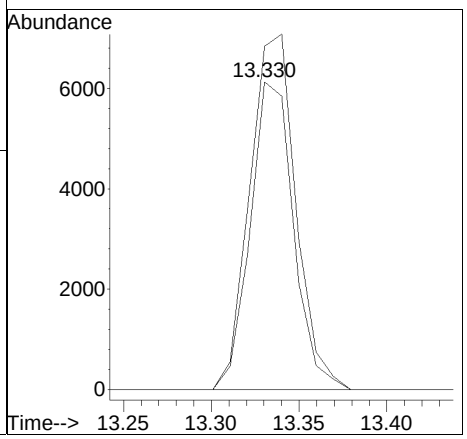


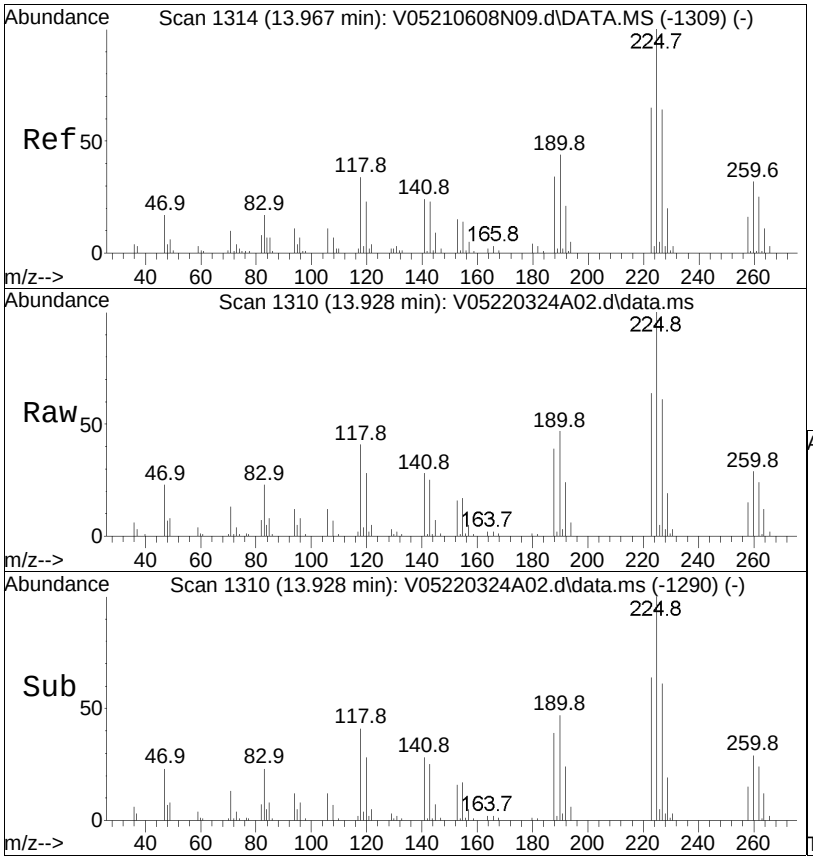


#106
1,2-Dibromo-3-chloropropane
Concen: 10.97 ug/L
RT: 13.330 min Scan# 1249
Delta R.T. -0.010 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:155 Resp: 10517

Ion	Ratio	Lower	Upper
155	100		
157	123.0	105.0	157.6

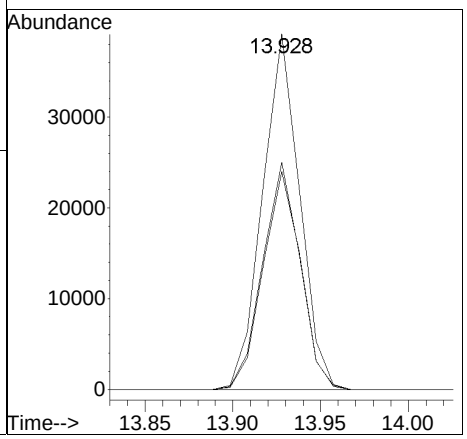


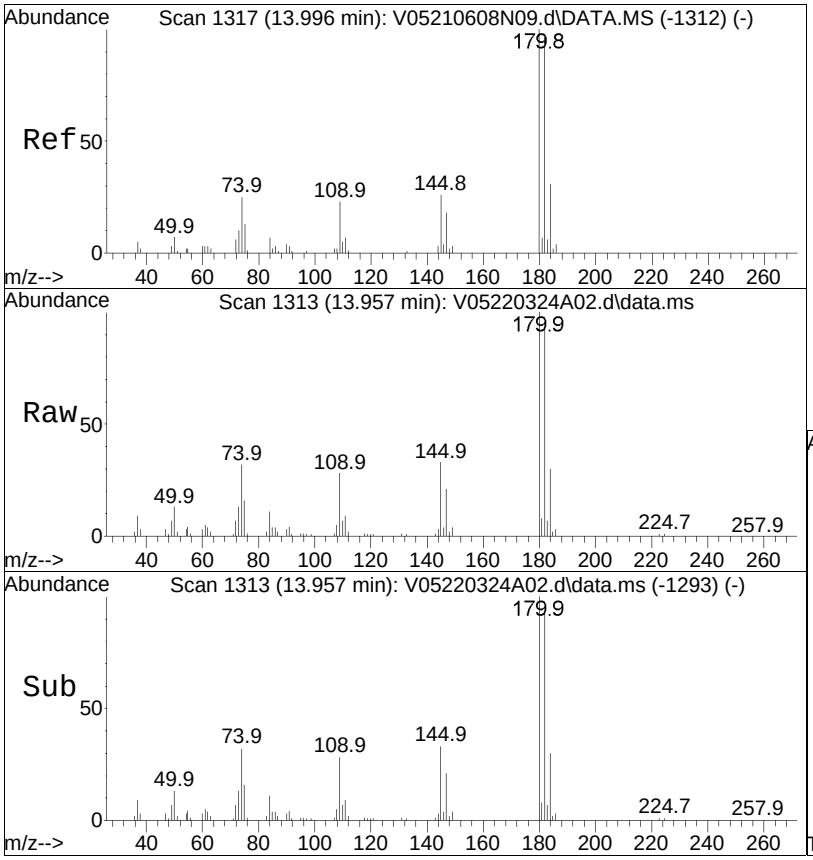


#108
Hexachlorobutadiene
Concen: 13.06 ug/L
RT: 13.928 min Scan# 1310
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:225 Resp: 57561

Ion	Ratio	Lower	Upper
225	100		
223	64.5	49.9	74.9
227	62.4	51.0	76.4

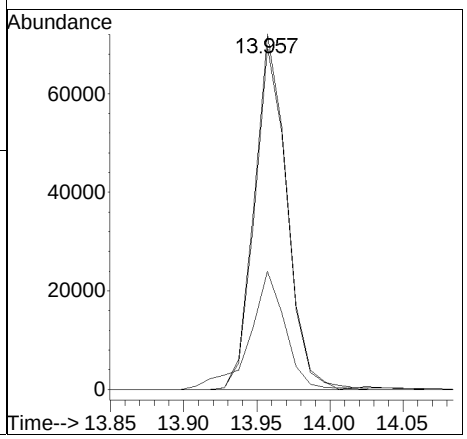


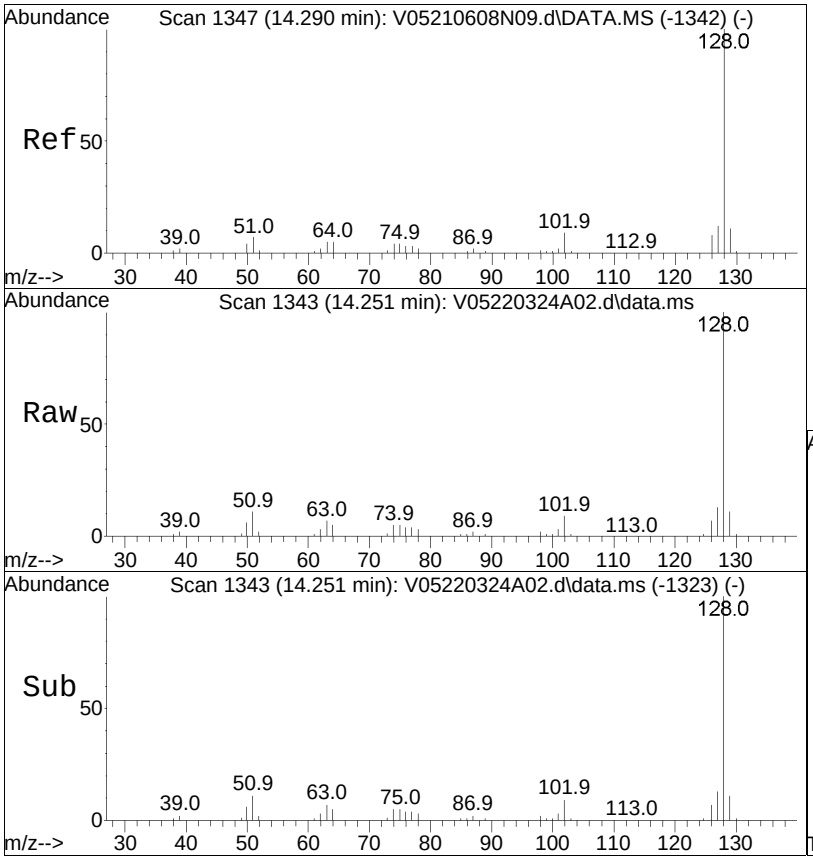


#109
1,2,4-Trichlorobenzene
Concen: 12.56 ug/L
RT: 13.957 min Scan# 1313
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:180 Resp: 112048

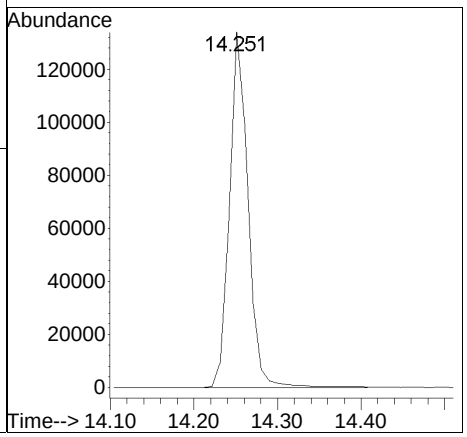
Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.2	112.8
145	35.9	27.4	41.2

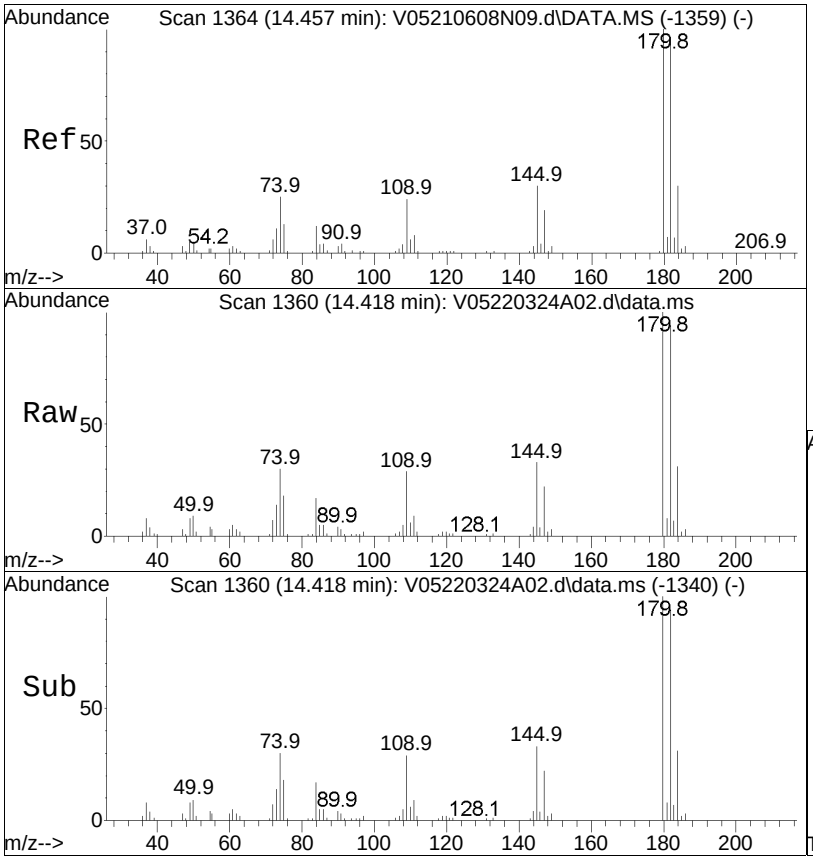




#110
Naphthalene
Concen: 12.11 ug/L
RT: 14.251 min Scan# 1343
Delta R.T. 0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:128 Resp: 206175

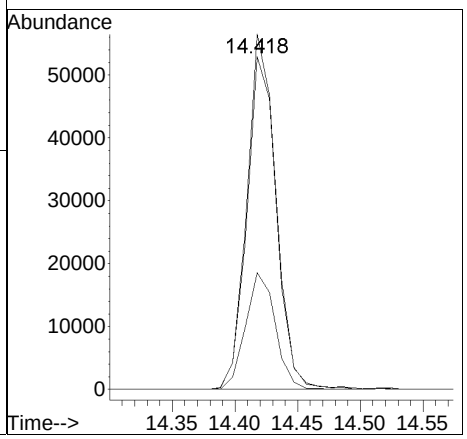




#111
1,2,3-Trichlorobenzene
Concen: 12.37 ug/L
RT: 14.418 min Scan# 1360
Delta R.T. -0.000 min
Lab File: V05220324A02.d
Acq: 24 Mar 2022 7:27 am

Tgt Ion:180 Resp: 91525

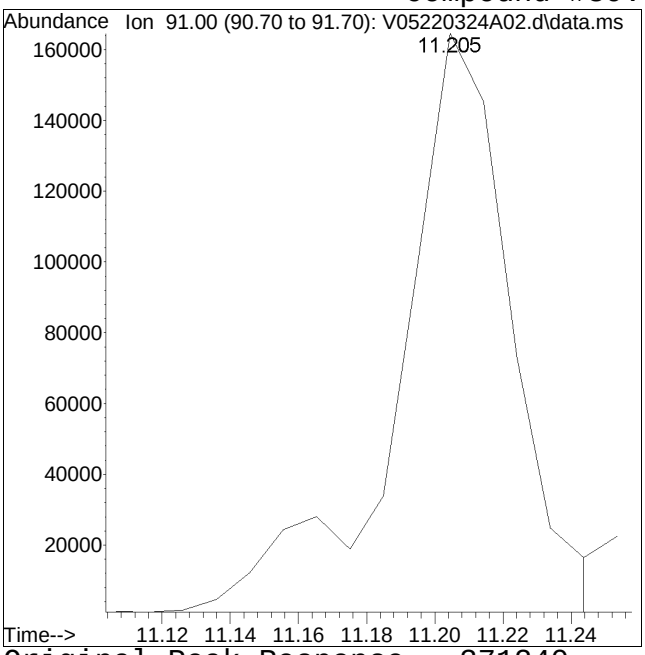
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.5	113.3
145	33.4	26.5	39.7



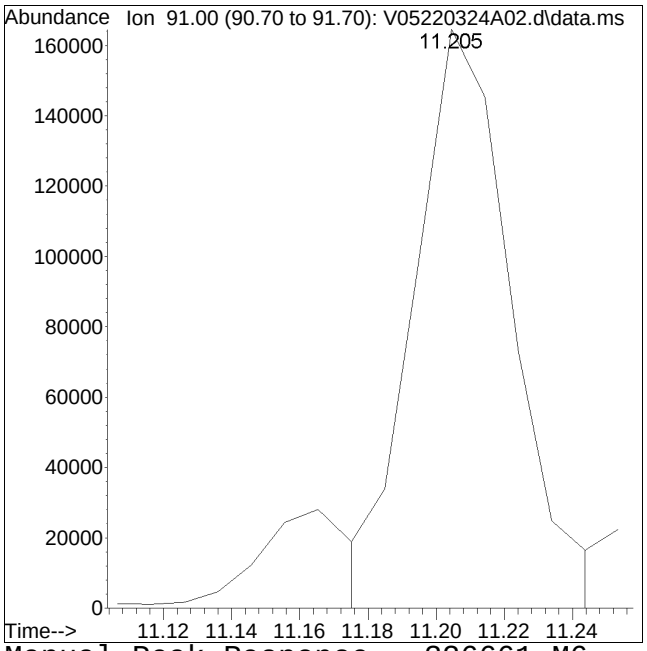
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220324A02.d Operator : VOA105:PD
Date Inj'd : 3/24/2022 7:27 am Instrument : VOA 105
Sample : WG1619815-4,31,10,10 Quant Date : 3/24/2022 8:06 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 371240



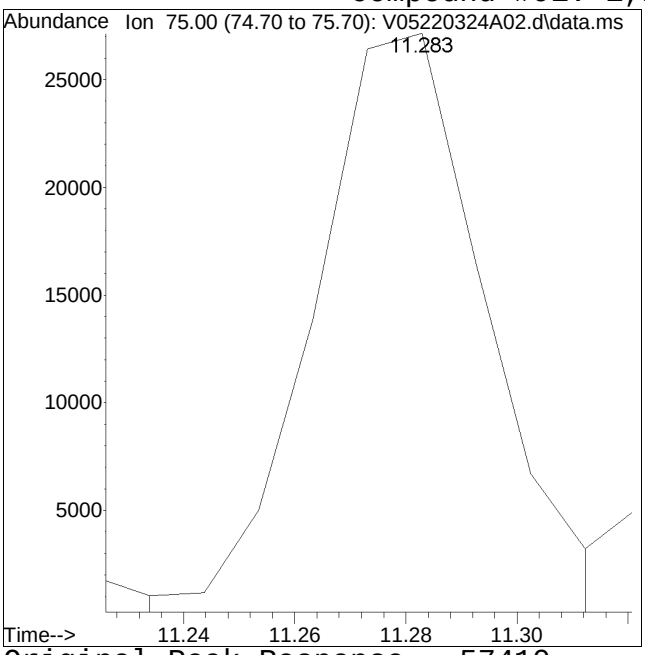
Manual Peak Response = 326661 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

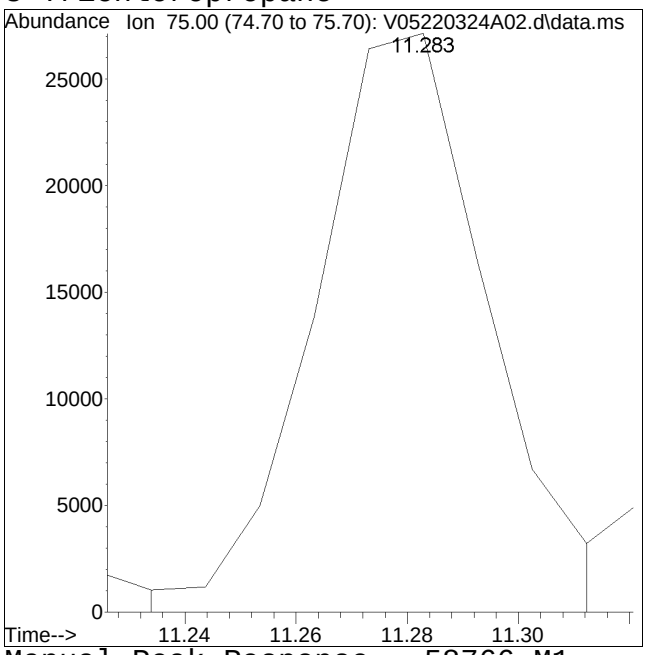
Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_220208N_8260.m
Data File : V05220324A02.d Operator : VOA105:PD
Date Inj'd : 3/24/2022 7:27 am Instrument : VOA 105
Sample : WG1619815-4,31,10,10 Quant Date : 3/24/2022 8:06 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 57410



Manual Peak Response = 58766 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A02.D
Acq On : 29 Mar 2022 7:10 am
Operator : ELAINE:PD
Sample : WG1621241-4,31,10,10
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 07:39:58 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220329A\VE220329A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.311	96	197023	10.000	ug/L	0.00
Standard Area 1 = 198954			Recovery = 99.03%			
59) Chlorobenzene-d5	8.386	117	147528	10.000	ug/L	0.00
Standard Area 1 = 145633			Recovery = 101.30%			
79) 1,4-Dichlorobenzene-d4	9.894	152	77180	10.000	ug/L	0.00
Standard Area 1 = 74897			Recovery = 103.05%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.299	113	50211	10.394	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.94%			
43) 1,2-Dichloroethane-d4	4.958	65	57659	10.056	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.56%			
60) Toluene-d8	7.042	98	190562	9.854	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.54%			
83) 4-Bromofluorobenzene	9.220	95	72055	9.806	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.06%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.896	85	28046	8.940	ug/L	98
3) Chloromethane	1.010	50	43689	9.790	ug/L	98
4) Vinyl chloride	1.060	62	41026	9.935	ug/L	98
5) Bromomethane	1.252	94	15383	10.626	ug/L	100
6) Chloroethane	1.330	64	22873	12.187	ug/L	98
7) Trichlorofluoromethane	1.422	101	47275	10.404	ug/L	93
8) Ethyl ether	1.642	74	15933	9.599	ug/L	90
10) 1,1-Dichloroethene	1.767	96	28807	9.981	ug/L #	82
11) Carbon disulfide	1.772	76	70672	10.393	ug/L	95
15) Methylene chloride	2.229	84	36874	10.228	ug/L	94
17) Acetone	2.284	43	7869	9.227	ug/L	91
18) trans-1,2-Dichloroethene	2.365	96	32435	10.537	ug/L	87
20) Methyl tert-butyl ether	2.476	73	70596	9.648	ug/L #	91
23) 1,1-Dichloroethane	2.969	63	69206	10.118	ug/L	100
25) Acrylonitrile	3.038	53	11504	10.210	ug/L	93
27) Vinyl acetate	3.314	43	72454	8.924	ug/L	96
28) cis-1,2-Dichloroethene	3.620	96	37043	10.431	ug/L	83
29) 2,2-Dichloropropane	3.748	77	45064	11.285	ug/L #	71
30) Bromochloromethane	3.884	128	17008	10.444	ug/L	93
32) Chloroform	4.046	83	61031	10.552	ug/L	98

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A02.D
Acq On : 29 Mar 2022 7:10 am
Operator : ELAINE:PD
Sample : WG1621241-4,31,10,10
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 07:39:58 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220329A\VE220329A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	4.162	117	42592	10.257	ug/L		97
37) 1,1,1-Trichloroethane	4.268	97	47054	9.962	ug/L	#	94
39) 2-Butanone	4.499	43	9639	7.848	ug/L	#	81
40) 1,1-Dichloropropene	4.449	75	40484	9.590	ug/L		96
41) Benzene	4.769	78	135699	10.034	ug/L		97
44) 1,2-Dichloroethane	5.044	62	48072	10.326	ug/L		99
48) Trichloroethene	5.509	95	31762	9.645	ug/L		95
50) Dibromomethane	5.971	93	17454	9.908	ug/L		92
51) 1,2-Dichloropropane	6.085	63	40719	10.626	ug/L	#	93
54) Bromodichloromethane	6.202	83	43546	10.101	ug/L		99
57) 1,4-Dioxane	6.427	88	11172	600.811	ug/L		97
58) cis-1,3-Dichloropropene	6.867	75	48204	9.779	ug/L		93
61) Toluene	7.092	92	86205	9.905	ug/L		98
62) 4-Methyl-2-pentanone	7.521	58	8830	8.362	ug/L	#	68
63) Tetrachloroethene	7.459	166	33205	10.169	ug/L		88
65) trans-1,3-Dichloropropene	7.543	75	38951	9.514	ug/L		92
68) 1,1,2-Trichloroethane	7.676	83	20174	9.188	ug/L		92
69) Chlorodibromomethane	7.813	129	28332	9.324	ug/L		95
70) 1,3-Dichloropropane	7.893	76	45682	9.391	ug/L		98
71) 1,2-Dibromoethane	7.974	107	23207	8.688	ug/L		98
72) 2-Hexanone	8.230	43	16418	9.189	ug/L	#	94
73) Chlorobenzene	8.397	112	91574	9.896	ug/L		93
74) Ethylbenzene	8.439	91	162995	10.669	ug/L		100
75) 1,1,1,2-Tetrachloroethane	8.458	131	29529	9.708	ug/L		96
76) p/m Xylene	8.547	106	127951	21.839	ug/L		96
77) o Xylene	8.837	106	123591	21.374	ug/L		94
78) Styrene	8.875	104	205564	22.159	ug/L		90
80) Bromoform	8.881	173	16095	8.929	ug/L		95
82) Isopropylbenzene	9.051	105	154141	10.339	ug/L		96
84) Bromobenzene	9.273	156	38612	10.106	ug/L		97
85) n-Propylbenzene	9.312	91	177634	10.469	ug/L		96
87) 1,1,2,2-Tetrachloroethane	9.371	83	27011	8.790	ug/L		97
88) 4-Ethyltoluene	9.382	105	149542	10.649	ug/L		98
89) 2-Chlorotoluene	9.396	91	131586	10.390	ug/L		95
90) 1,3,5-Trimethylbenzene	9.438	105	127947	10.720	ug/L		91
91) 1,2,3-Trichloropropane	9.440	75	23261	8.868	ug/L		99
92) trans-1,4-Dichloro-2-b...	9.474	53	9795	8.991	ug/L	#	82
93) 4-Chlorotoluene	9.499	91	118801	10.243	ug/L		92
94) tert-Butylbenzene	9.624	119	103688	10.847	ug/L		96

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A02.D
Acq On : 29 Mar 2022 7:10 am
Operator : ELAINE:PD
Sample : WG1621241-4,31,10,10
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 07:39:58 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Elaine\2022\220329A\VE220329A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.668	105	127798	10.495	ug/L	93
98)	sec-Butylbenzene	9.730	105	140324	11.071	ug/L	98
99)	p-Isopropyltoluene	9.819	119	117235	10.165	ug/L	95
100)	1,3-Dichlorobenzene	9.849	146	71172	10.377	ug/L	98
101)	1,4-Dichlorobenzene	9.902	146	72553	10.431	ug/L	98
102)	p-Diethylbenzene	10.027	119	64058	10.040	ug/L	94
103)	n-Butylbenzene	10.061	91	91174	10.171	ug/L	97
104)	1,2-Dichlorobenzene	10.141	146	66412	9.974	ug/L	98
105)	1,2,4,5-Tetramethylben...	10.486	119	95759	9.421	ug/L	97
106)	1,2-Dibromo-3-chloropr...	10.600	155	3390	8.365	ug/L	88
108)	Hexachlorobutadiene	10.959	225	11335	10.449	ug/L	91
109)	1,2,4-Trichlorobenzene	10.976	180	33875	9.111	ug/L	99
110)	Naphthalene	11.154	128	78124	8.157	ug/L	100
111)	1,2,3-Trichlorobenzene	11.257	180	30253	8.845	ug/L	98

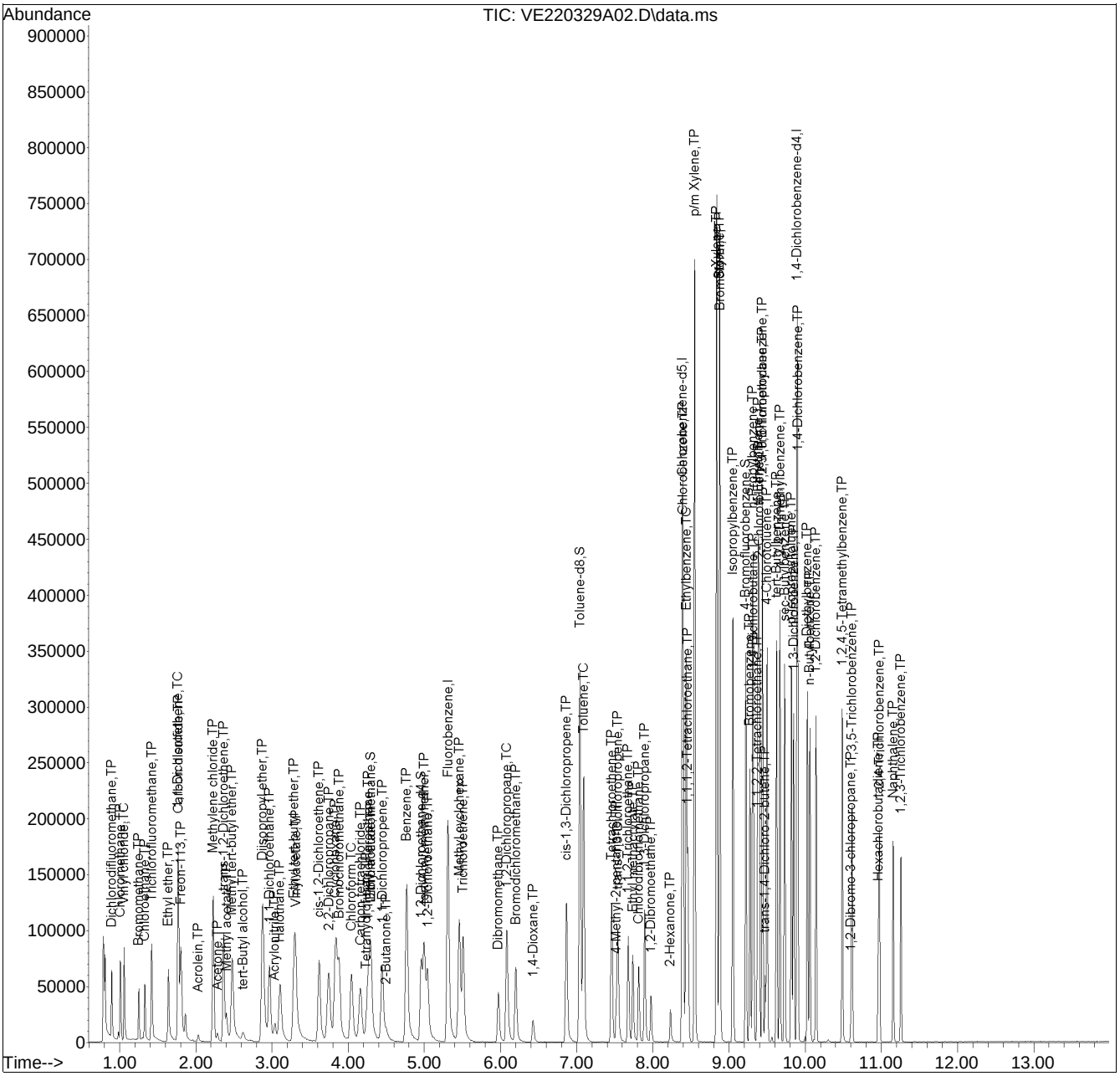
(#) = qualifier out of range (m) = manual integration (+) = signals summed

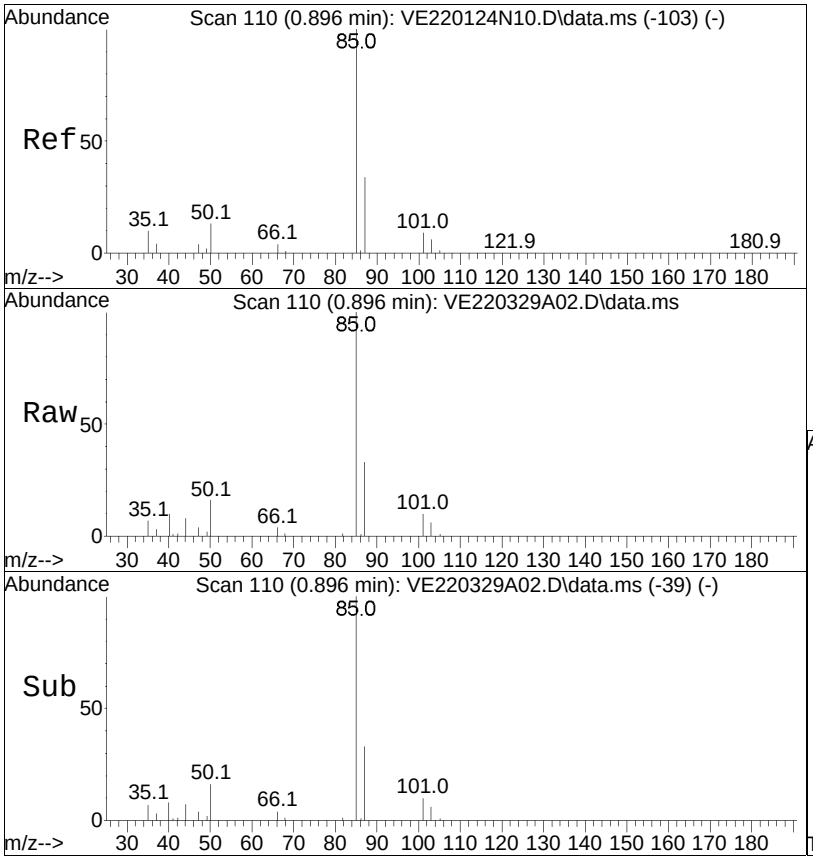
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Elaine\2022\220329A\
Data File : VE220329A02.D
Acq On : 29 Mar 2022 7:10 am
Operator : ELAINE:PD
Sample : WG1621241-4,31,10,10
Misc : WG1621241,ICAL18844
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 29 07:39:58 2022
Quant Method : I:\VOLATILES\Elaine\2022\220329A\Elaine_220316N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Mar 17 12:37:40 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

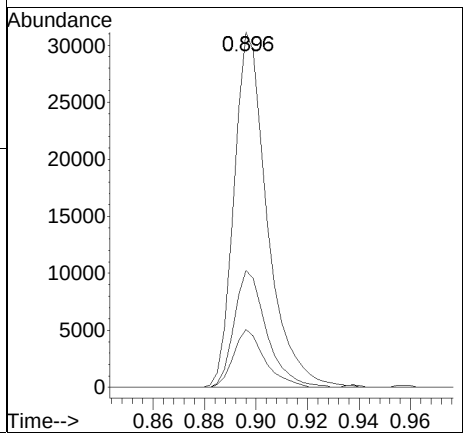


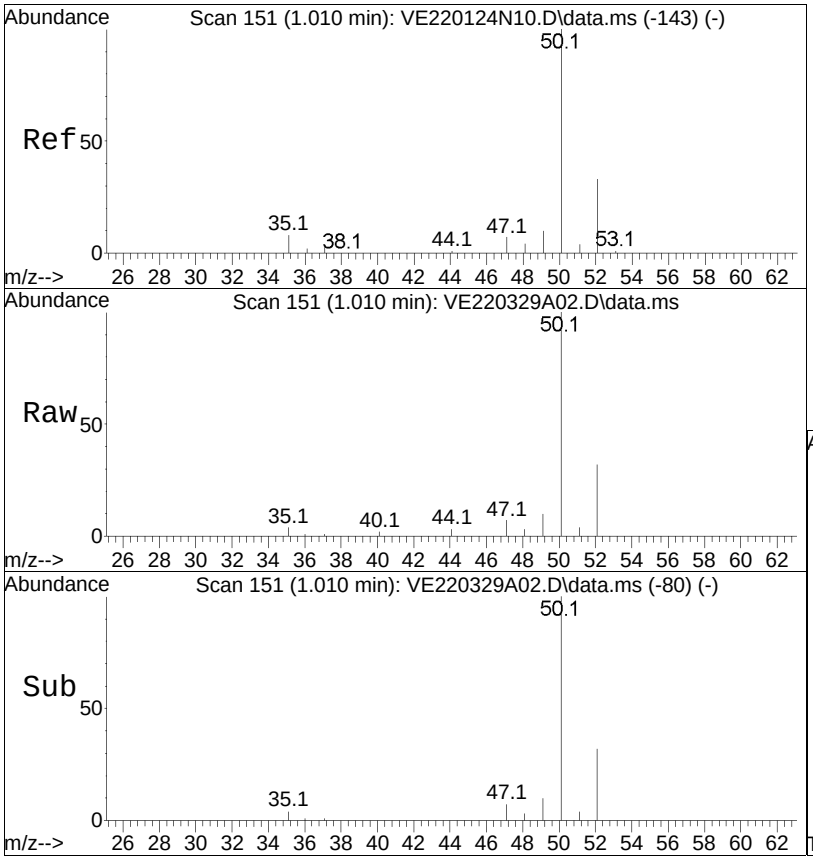


#2
Dichlorodifluoromethane
Concen: 8.94 ug/L
RT: 0.896 min Scan# 110
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 85 Resp: 28046

Ion	Ratio	Lower	Upper
85	100		
87	32.0	21.0	43.6
50	15.4	8.9	18.5

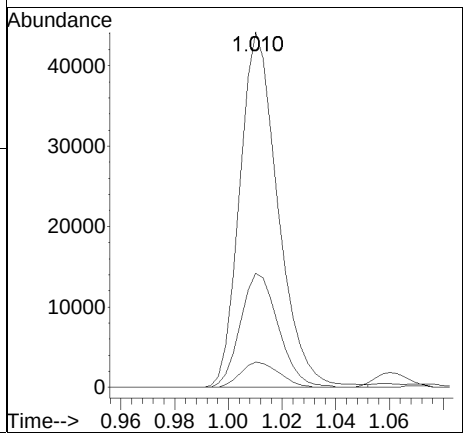


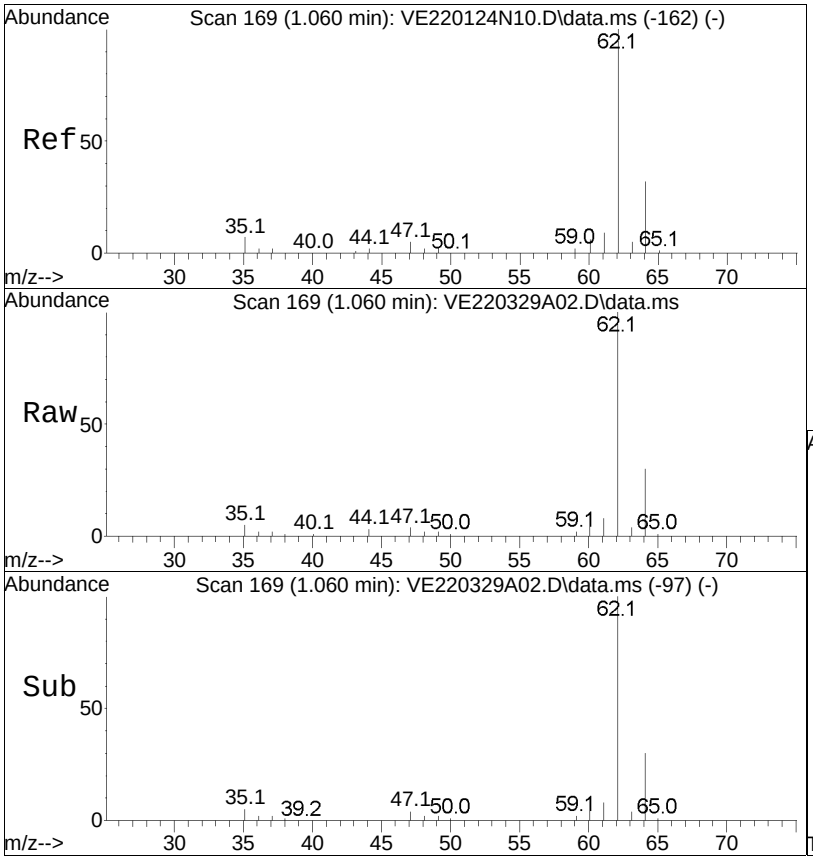


#3
Chloromethane
Concen: 9.79 ug/L
RT: 1.010 min Scan# 151
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 50 Resp: 43689

Ion	Ratio	Lower	Upper
50	100		
52	31.9	12.9	52.9
47	7.2	0.0	28.3

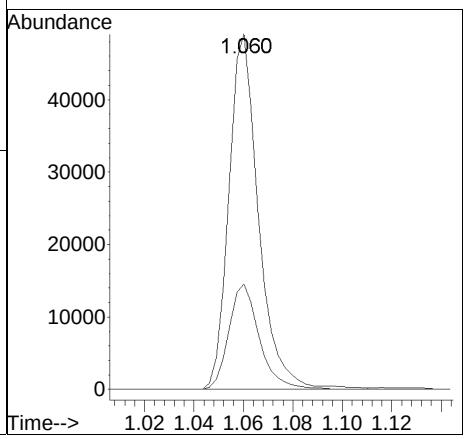


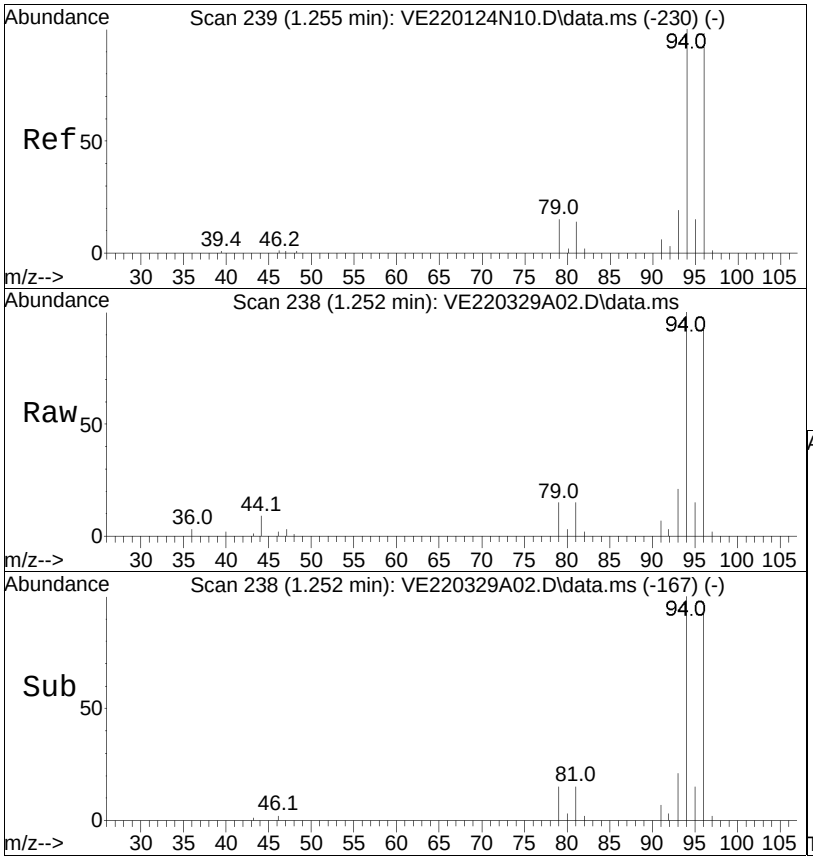


#4
Vinyl chloride
Concen: 9.94 ug/L
RT: 1.060 min Scan# 169
Delta R.T. 0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 62 Resp: 41026

Ion	Ratio	Lower	Upper
62	100		
64	30.4	9.1	49.1

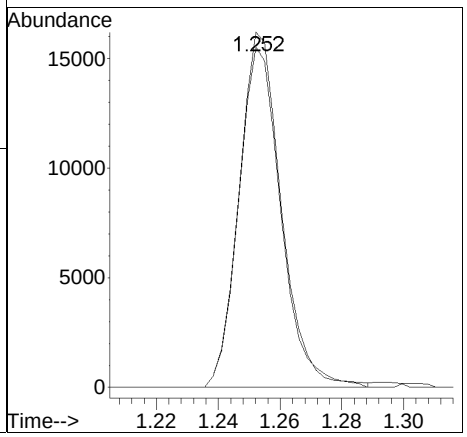


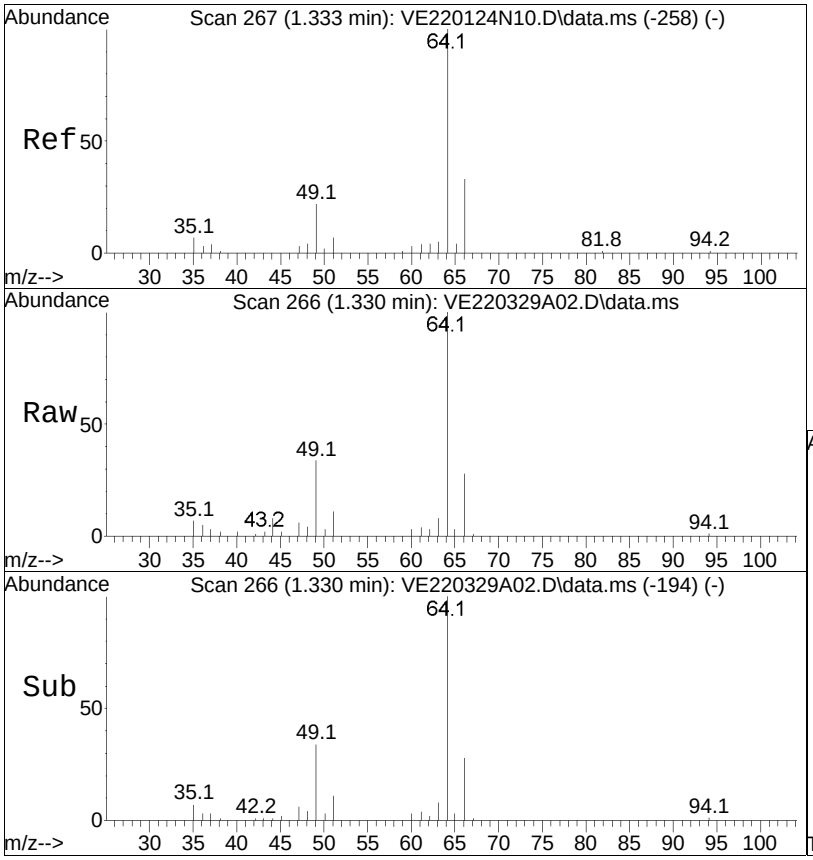


#5
Bromomethane
Concen: 10.63 ug/L
RT: 1.252 min Scan# 238
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 94 Resp: 15383

Ion	Ratio	Lower	Upper
94	100		
96	95.6	75.6	115.6

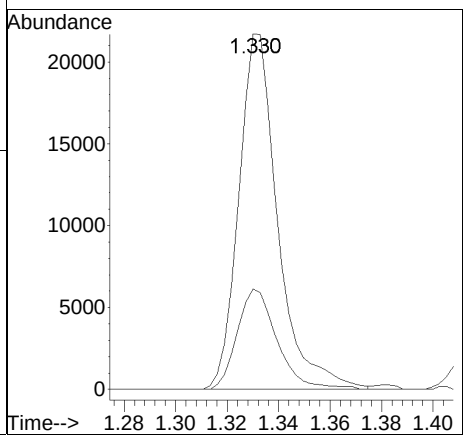


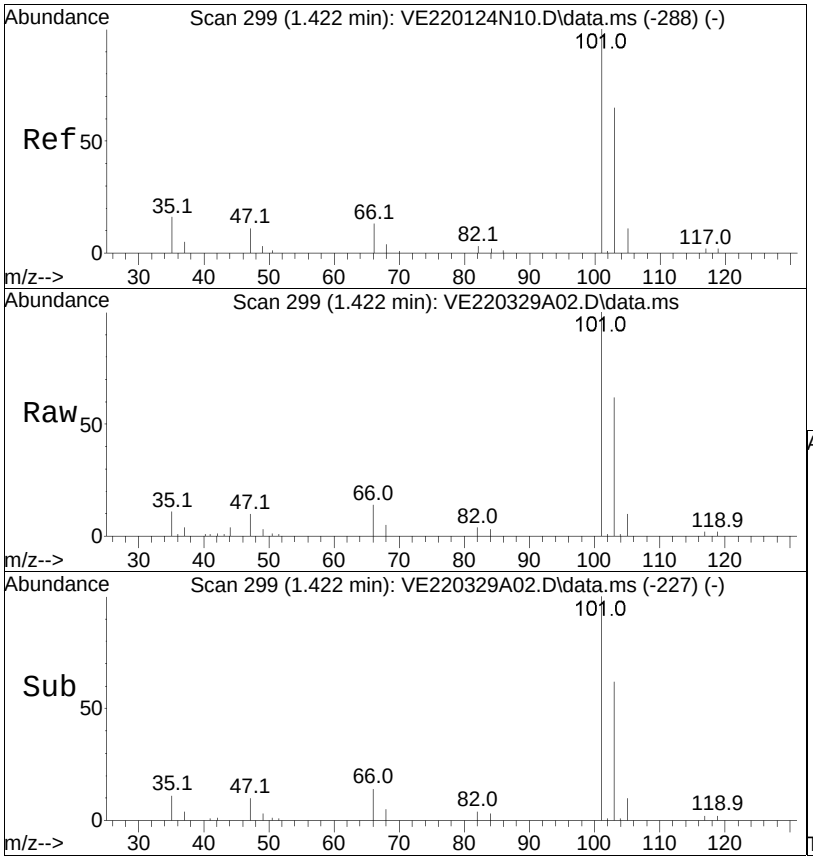


#6
Chloroethane
Concen: 12.19 ug/L
RT: 1.330 min Scan# 266
Delta R.T. 0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 64 Resp: 22873

Ion	Ratio	Lower	Upper
64	100		
66	28.9	9.8	49.8

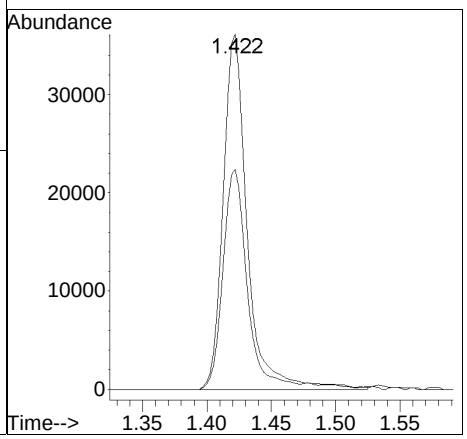


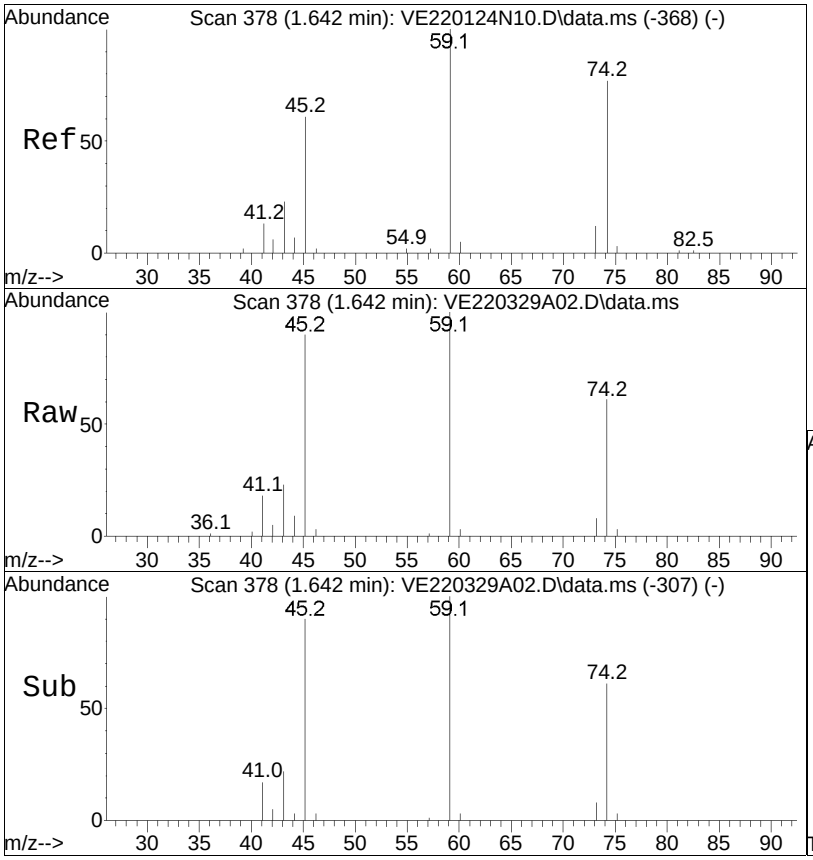


#7
Trichlorofluoromethane
Concen: 10.40 ug/L
RT: 1.422 min Scan# 299
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:101 Resp: 47275

Ion	Ratio	Lower	Upper
101	100		
103	62.0	53.8	80.6

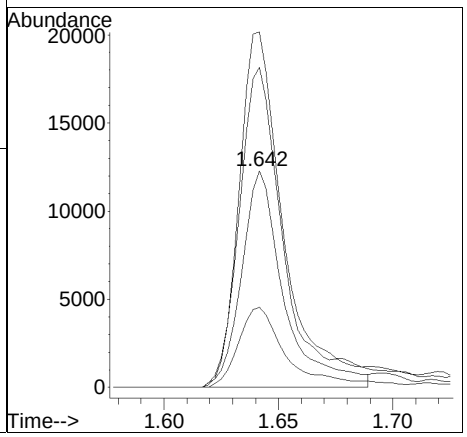


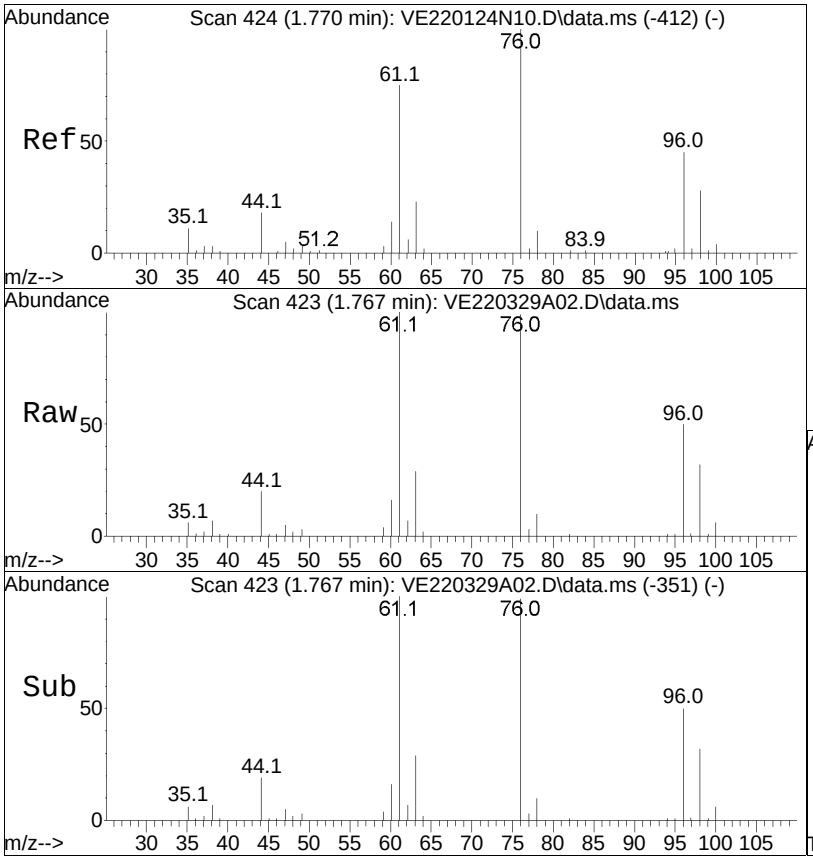


#8
Ethyl ether
Concen: 9.60 ug/L
RT: 1.642 min Scan# 378
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 74 Resp: 15933

Ion	Ratio	Lower	Upper
74	100		
59	180.1	122.2	253.8
45	163.2	91.9	190.9
43	43.0	25.2	52.2

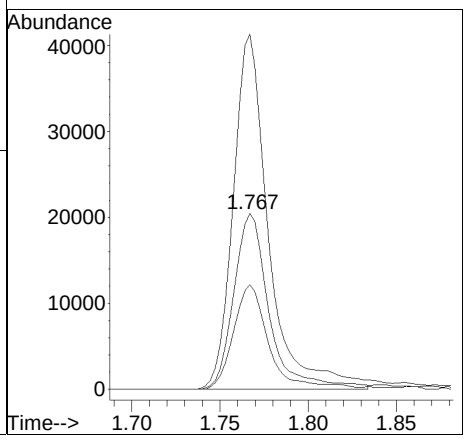


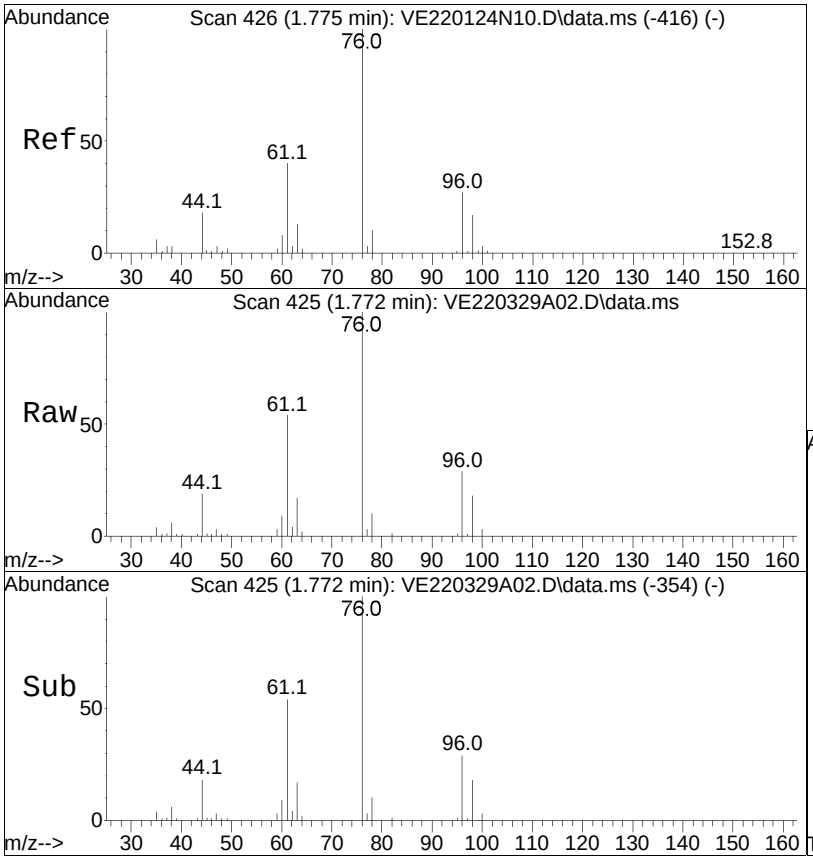


#10
1,1-Dichloroethene
Concen: 9.98 ug/L
RT: 1.767 min Scan# 423
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 96 Resp: 28807

Ion	Ratio	Lower	Upper
96	100		
61	202.7	186.1	279.1
63	57.2	57.6	86.4#

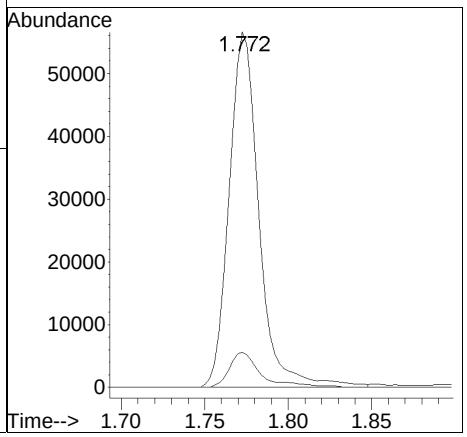


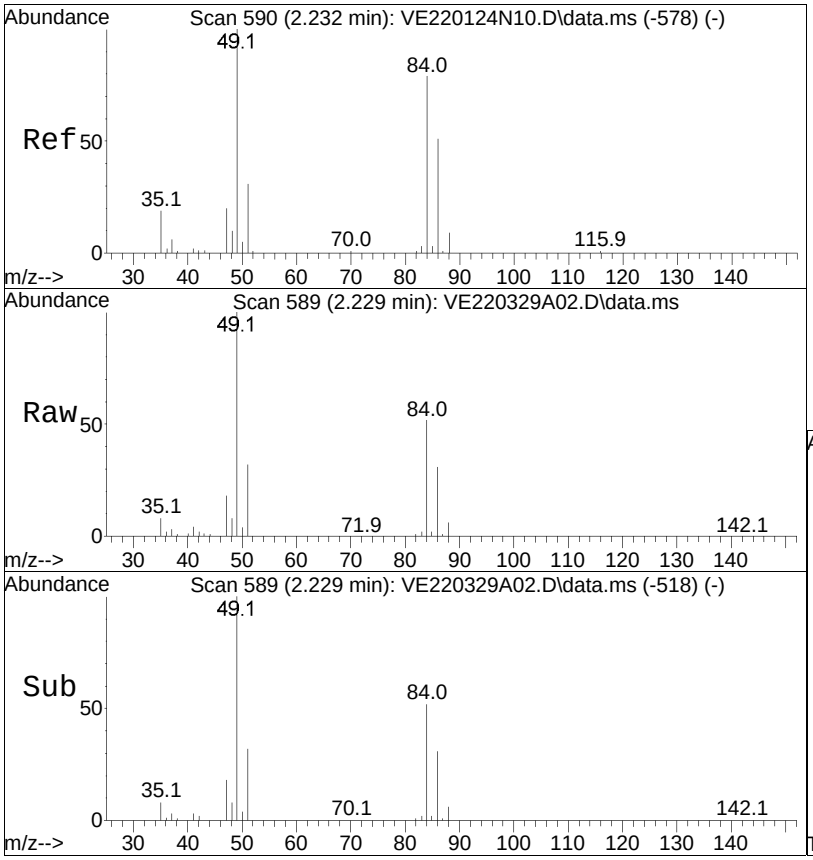


#11
Carbon disulfide
Concen: 10.39 ug/L
RT: 1.772 min Scan# 425
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 76 Resp: 70672

Ion	Ratio	Lower	Upper
76	100		
78	10.5	5.7	11.7

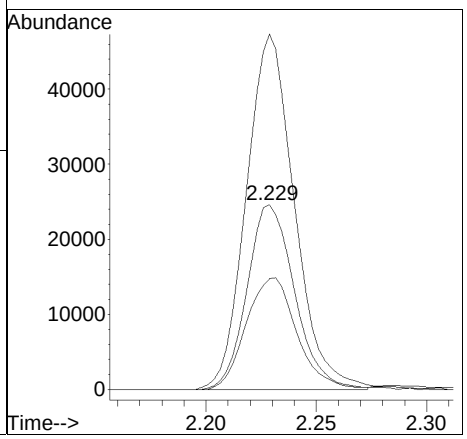


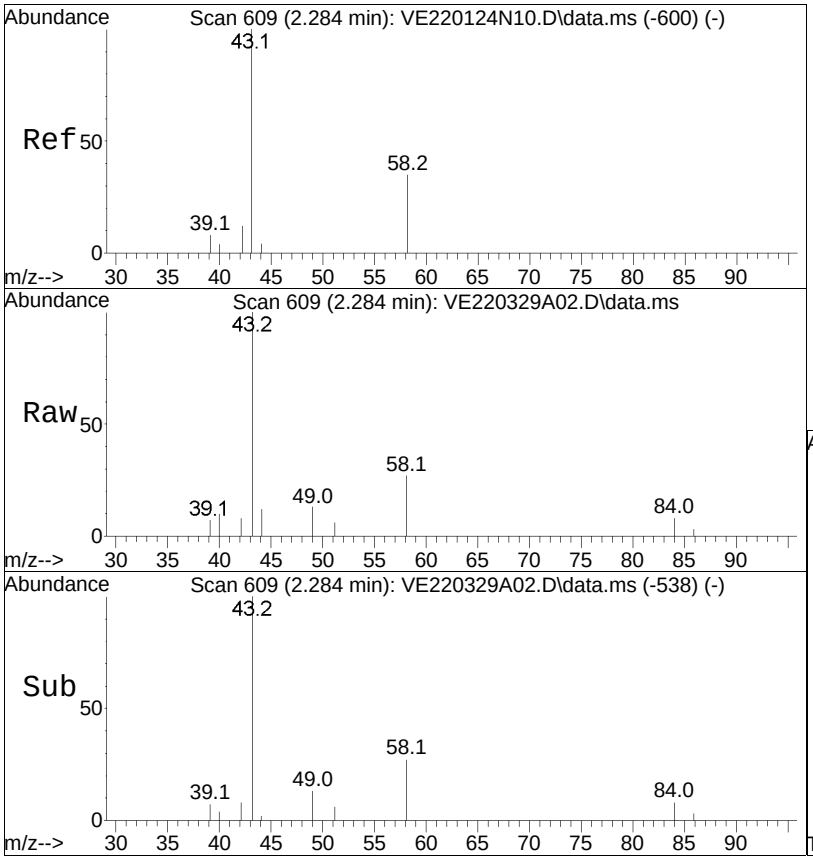


#15
Methylene chloride
Concen: 10.23 ug/L
RT: 2.229 min Scan# 589
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 84 Resp: 36874

Ion	Ratio	Lower	Upper
84	100		
86	64.3	40.4	83.8
49	194.4	120.0	249.2

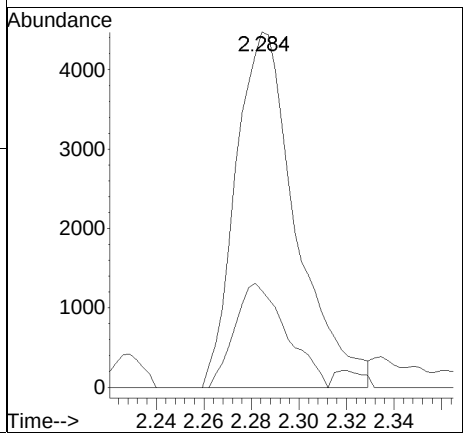


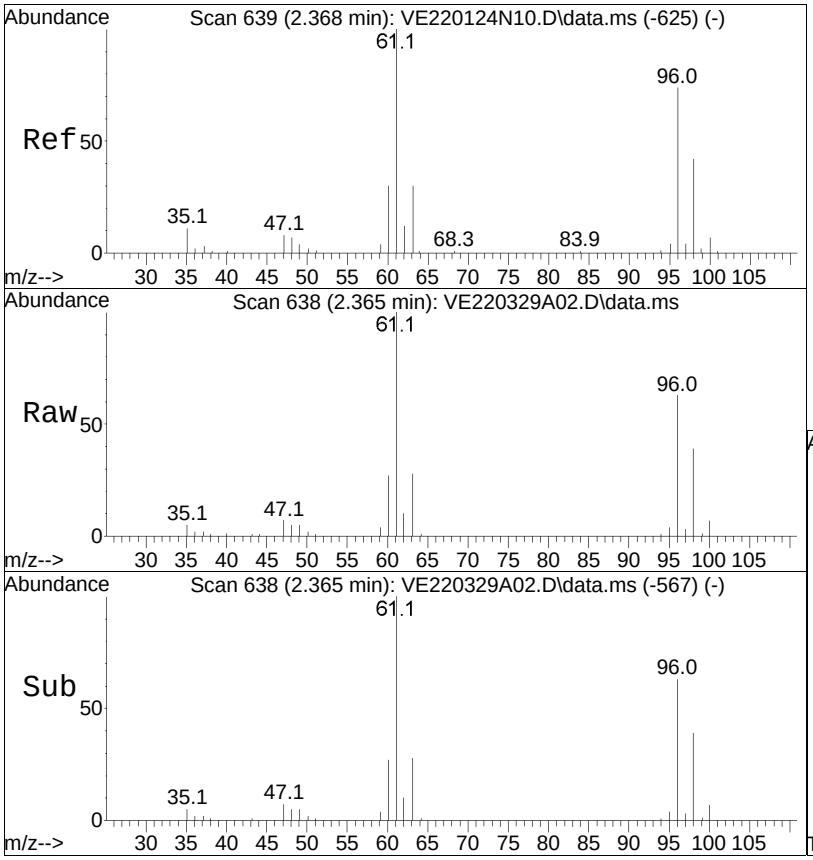


#17
Acetone
Concen: 9.23 ug/L
RT: 2.284 min Scan# 609
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 43 Resp: 7869

Ion	Ratio	Lower	Upper
43	100		
58	25.4	24.2	36.4

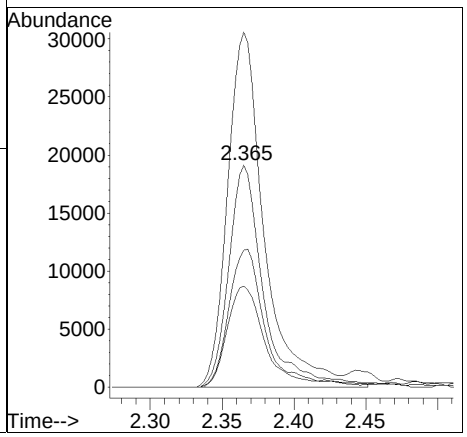


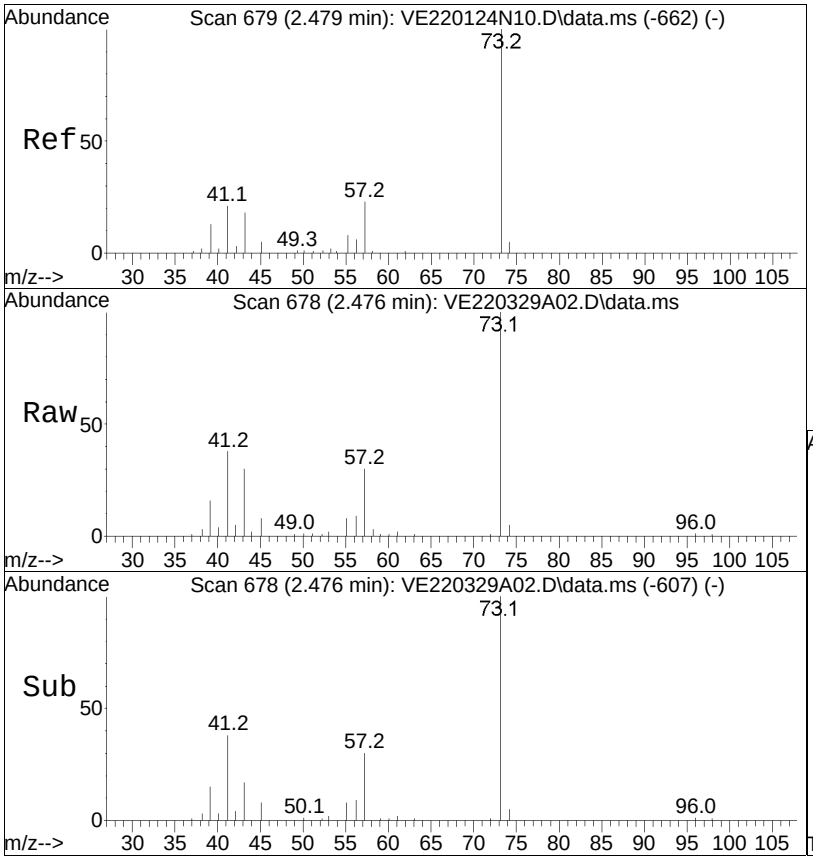


#18
trans-1,2-Dichloroethene
Concen: 10.54 ug/L
RT: 2.365 min Scan# 638
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 96 Resp: 32435

Ion	Ratio	Lower	Upper
96	100		
61	166.5	124.0	257.6
98	63.6	41.2	85.6
63	48.7	38.4	79.7

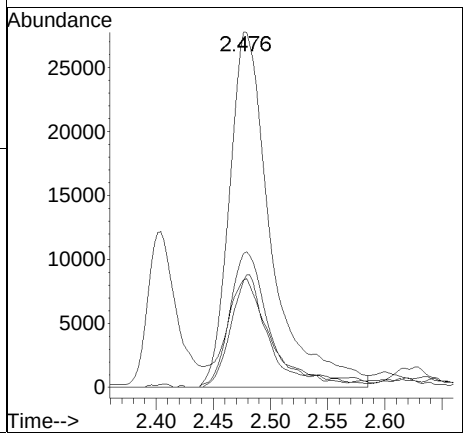


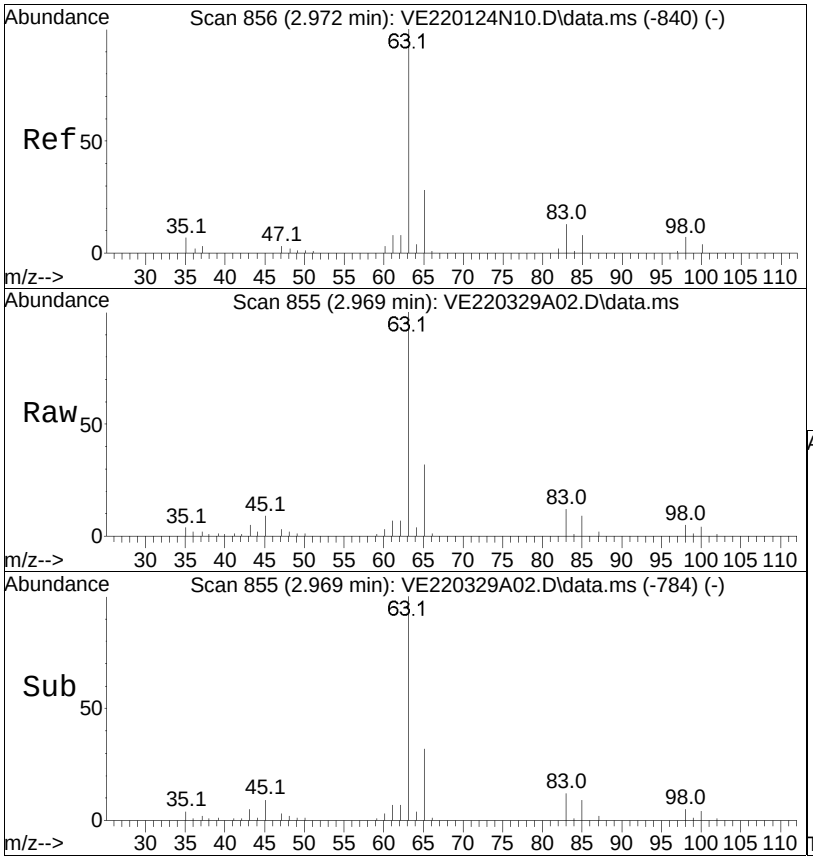


#20
Methyl tert-butyl ether
Concen: 9.65 ug/L
RT: 2.476 min Scan# 678
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 73 Resp: 70596

Ion	Ratio	Lower	Upper
73	100		
57	27.1	17.5	36.3
43	25.4	15.3	31.9
41	36.1	15.3	31.7#

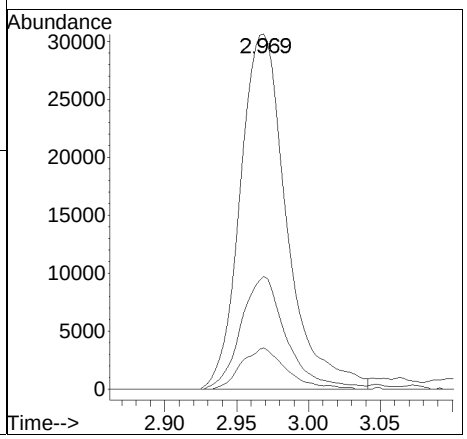


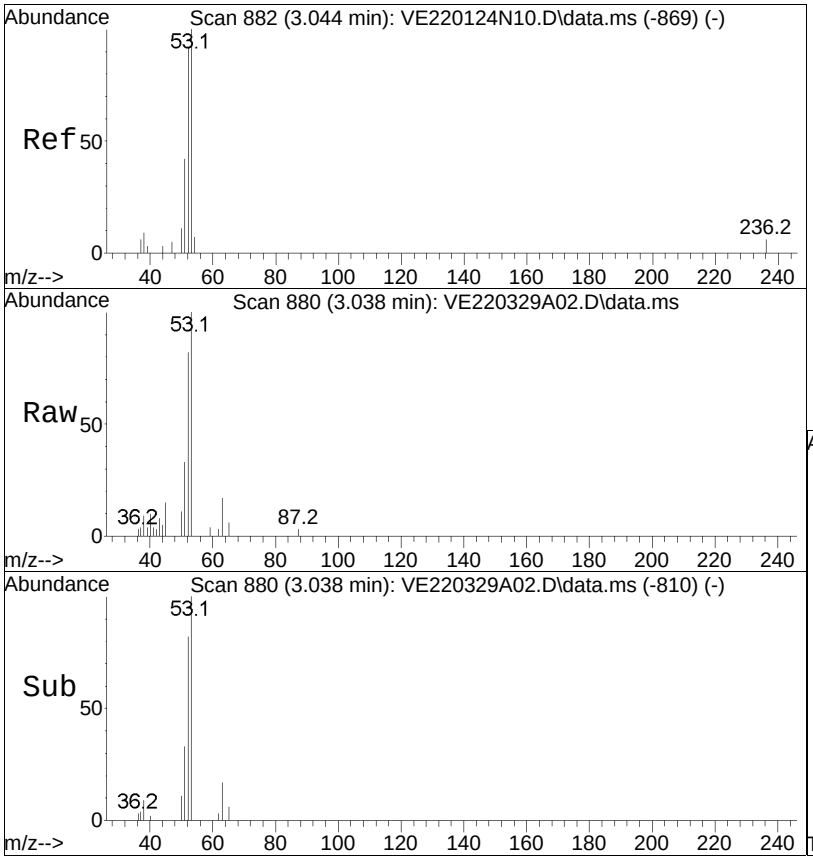


#23
1,1-Dichloroethane
Concen: 10.12 ug/L
RT: 2.969 min Scan# 855
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 63 Resp: 69206

Ion	Ratio	Lower	Upper
63	100		
65	31.1	11.0	51.0
83	11.5	0.0	31.8

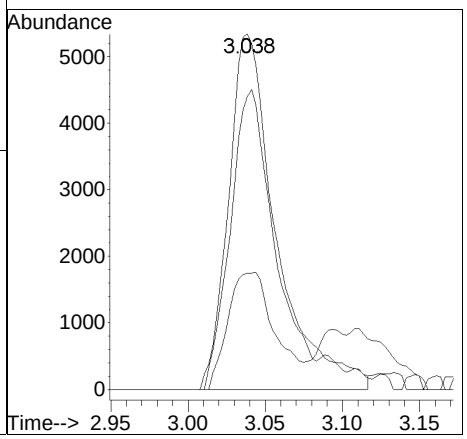


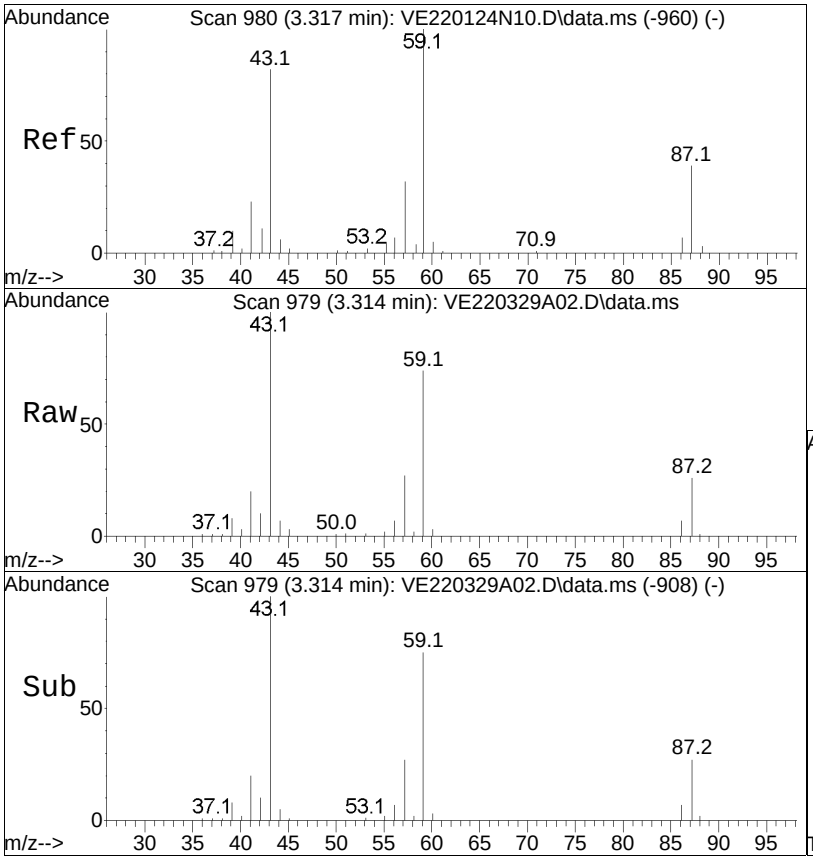


#25
Acrylonitrile
Concen: 10.21 ug/L
RT: 3.038 min Scan# 880
Delta R.T. -0.006 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 53 Resp: 11504

Ion	Ratio	Lower	Upper
53	100		
52	78.3	66.7	100.1
51	32.5	30.6	46.0

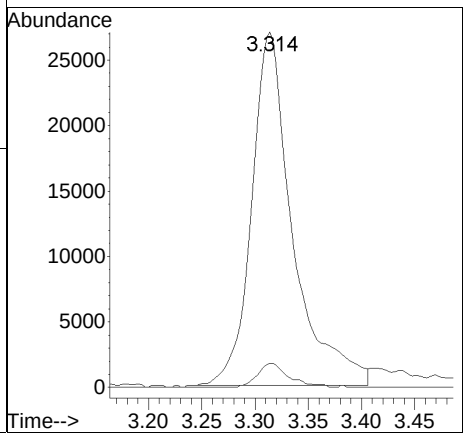


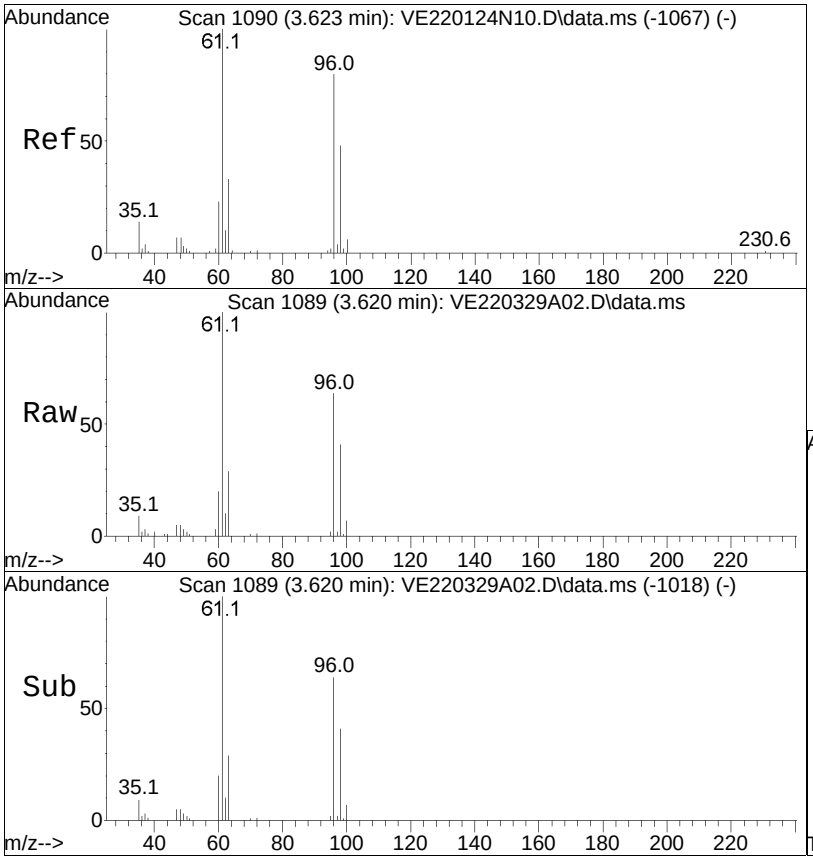


#27
Vinyl acetate
Concen: 8.92 ug/L
RT: 3.314 min Scan# 979
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 43 Resp: 72454

Ion	Ratio	Lower	Upper
43	100		
86	5.2	5.2	7.8

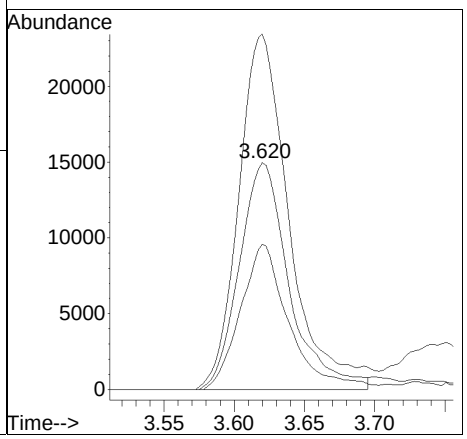


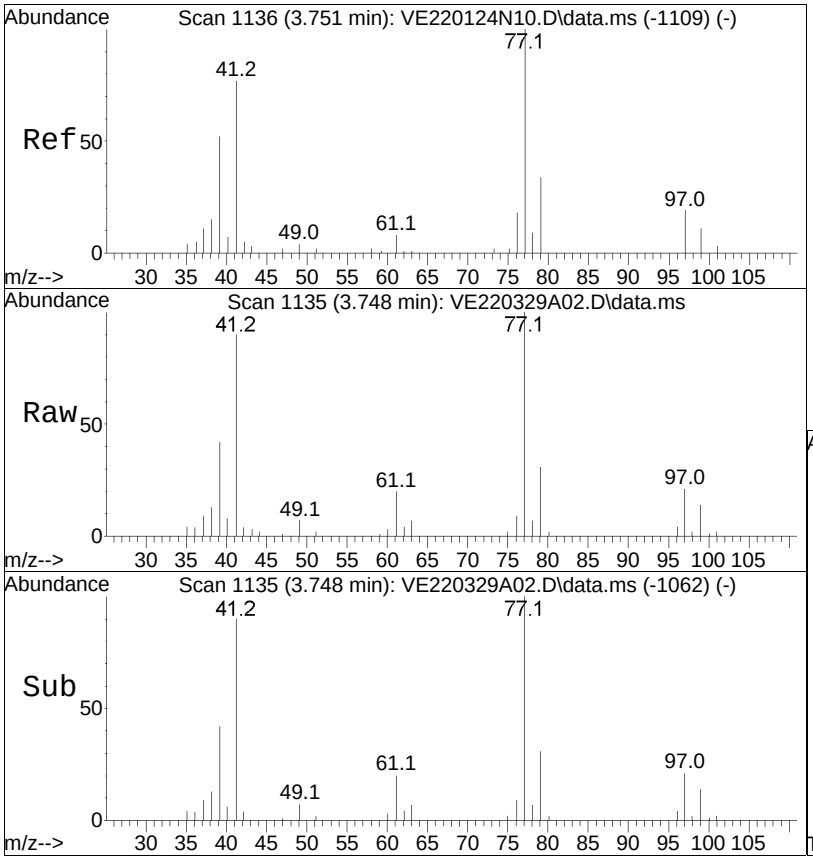


#28
cis-1,2-Dichloroethene
Concen: 10.43 ug/L
RT: 3.620 min Scan# 1089
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 96 Resp: 37043

Ion	Ratio	Lower	Upper
96	100		
61	155.9	149.4	224.2
98	62.2	53.4	80.2

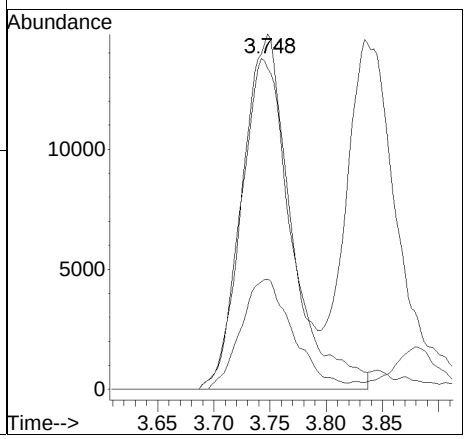


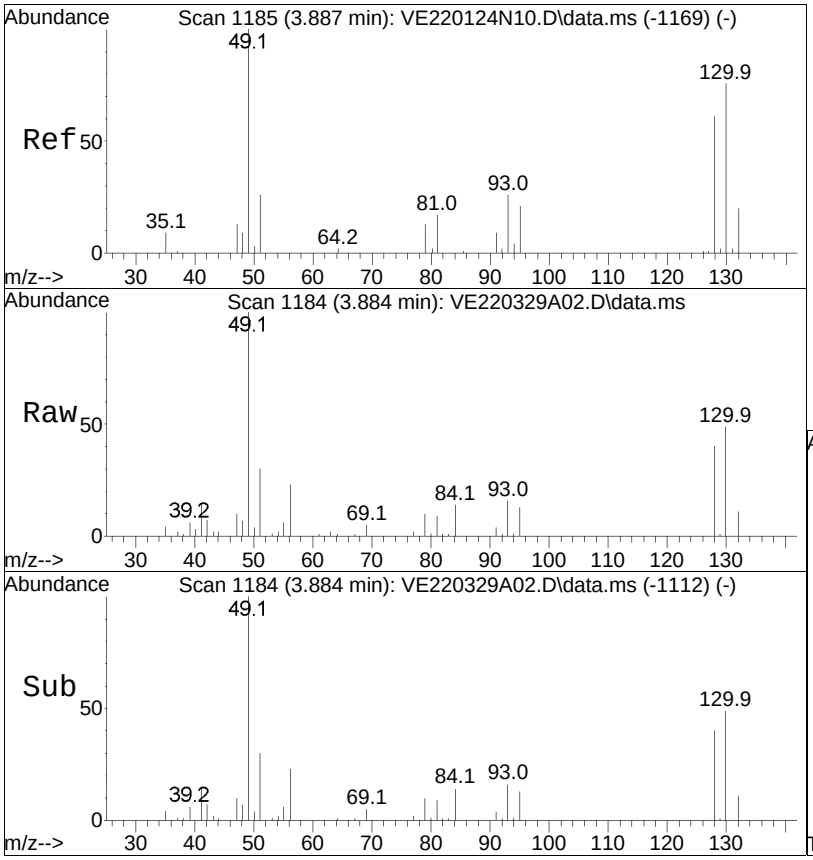


#29
2,2-Dichloropropane
Concen: 11.28 ug/L
RT: 3.748 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 77 Resp: 45064

Ion	Ratio	Lower	Upper
77	100		
41	91.0	38.0	78.8#
79	33.0	20.5	42.5

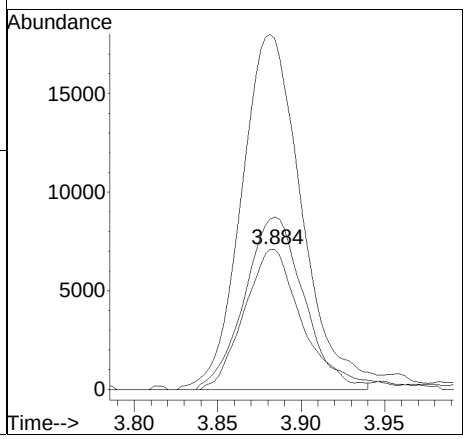


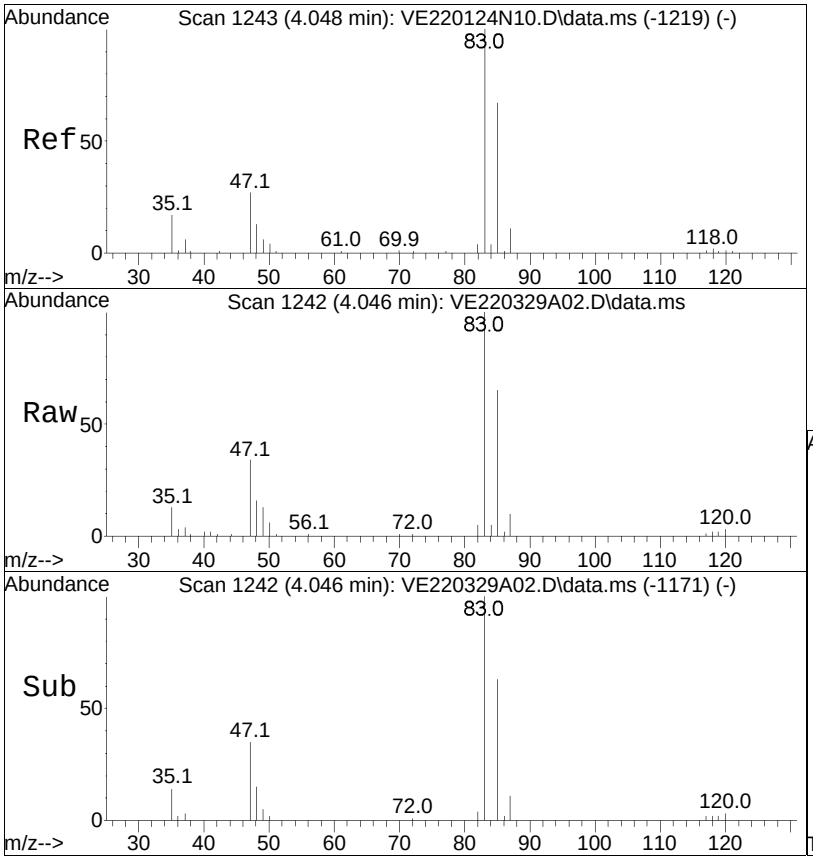


#30
Bromochloromethane
Concen: 10.44 ug/L
RT: 3.884 min Scan# 1184
Delta R.T. 0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:128 Resp: 17008

Ion	Ratio	Lower	Upper
128	100		
49	265.9	223.0	334.4
130	130.3	111.4	167.0

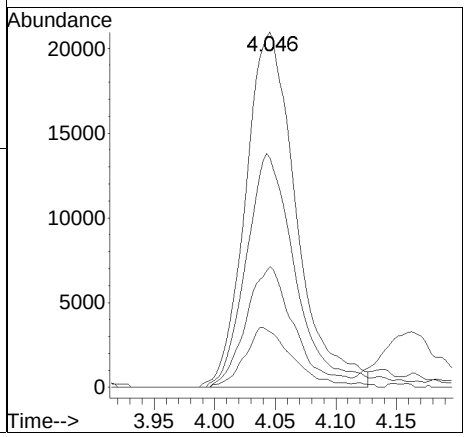


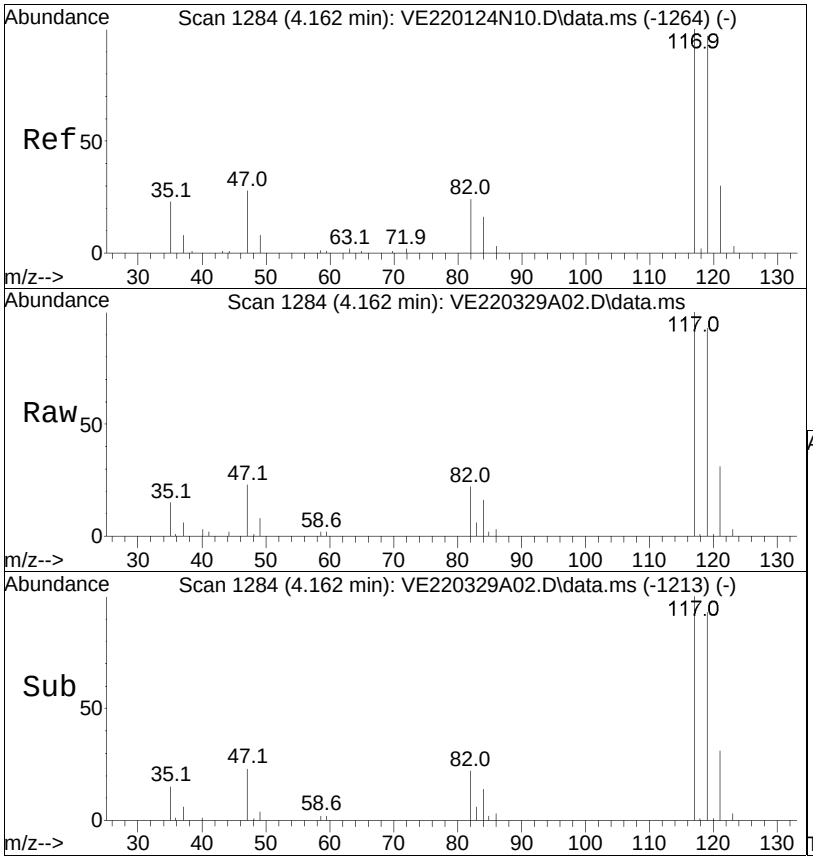


#32
Chloroform
Concen: 10.55 ug/L
RT: 4.046 min Scan# 1242
Delta R.T. -0.002 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 83 Resp: 61031

Ion	Ratio	Lower	Upper
83	100		
85	64.1	41.5	86.1
47	32.7	19.0	39.4
48	15.7	9.9	20.5

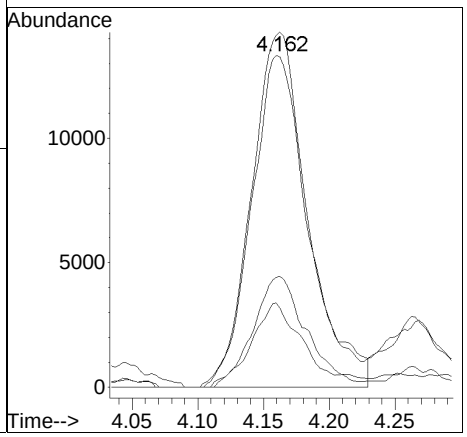


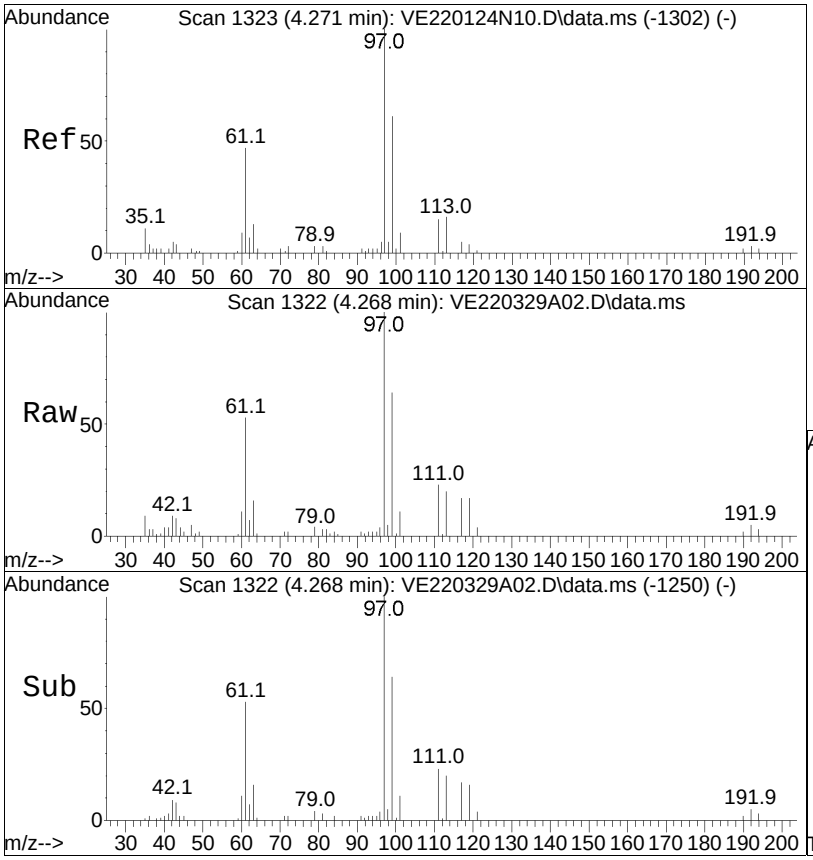


#34
Carbon tetrachloride
Concen: 10.26 ug/L
RT: 4.162 min Scan# 1284
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:117 Resp: 42592

Ion	Ratio	Lower	Upper
117	100		
119	93.1	62.4	129.6
121	30.3	19.5	40.5
82	22.3	17.0	35.4

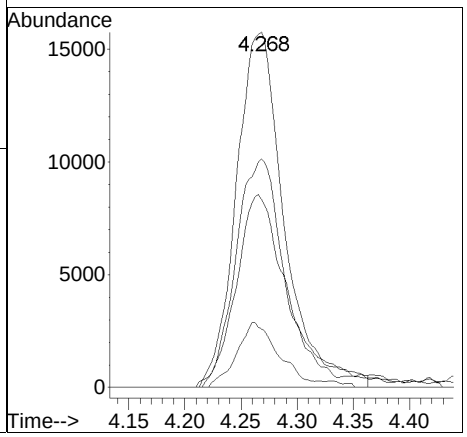


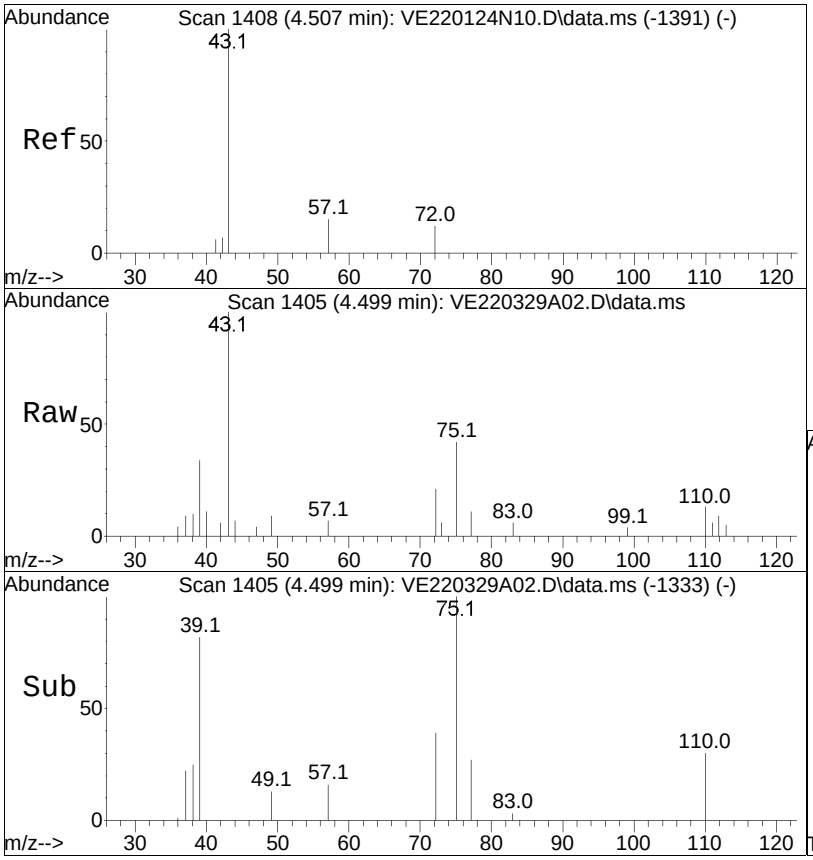


#37
1,1,1-Trichloroethane
Concen: 9.96 ug/L
RT: 4.268 min Scan# 1322
Delta R.T. 0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 97 Resp: 47054

Ion	Ratio	Lower	Upper
97	100		
99	65.9	40.7	84.5
61	58.7	35.4	73.4
63	16.2	5.0	10.4#

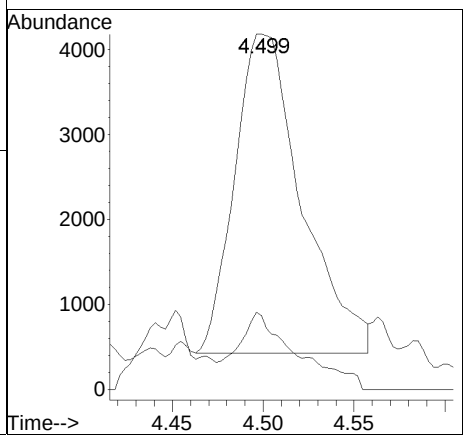


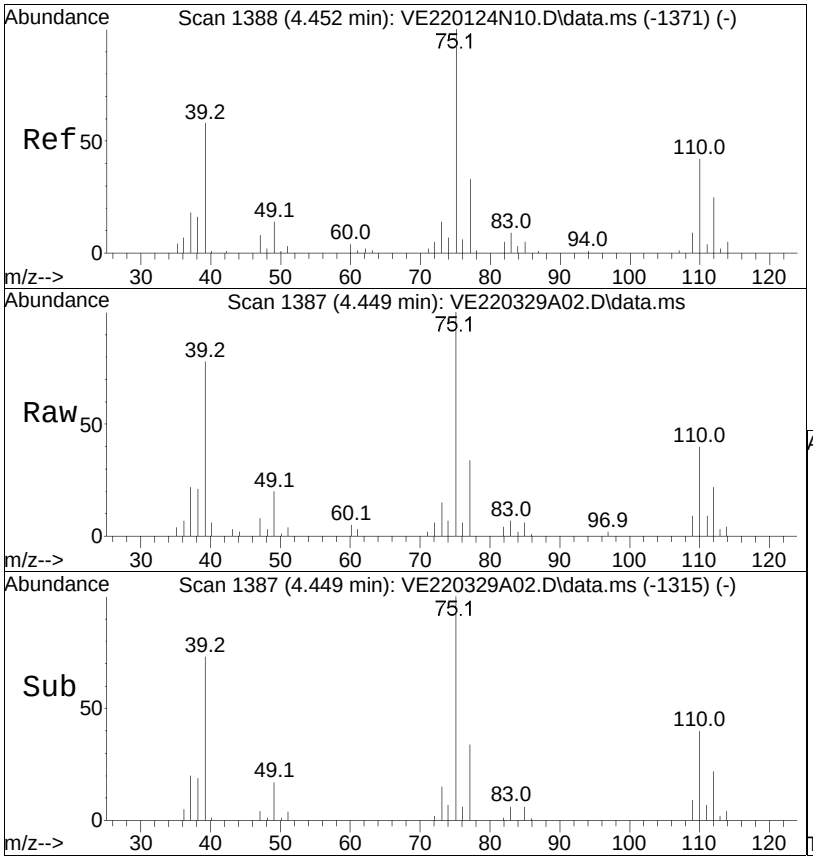


#39
2-Butanone
Concen: 7.85 ug/L
RT: 4.499 min Scan# 1405
Delta R.T. 0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 43 Resp: 9639

Ion	Ratio	Lower	Upper
43	100		
72	21.1	10.9	16.3#

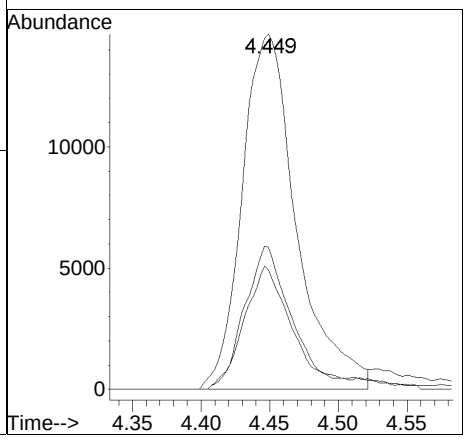


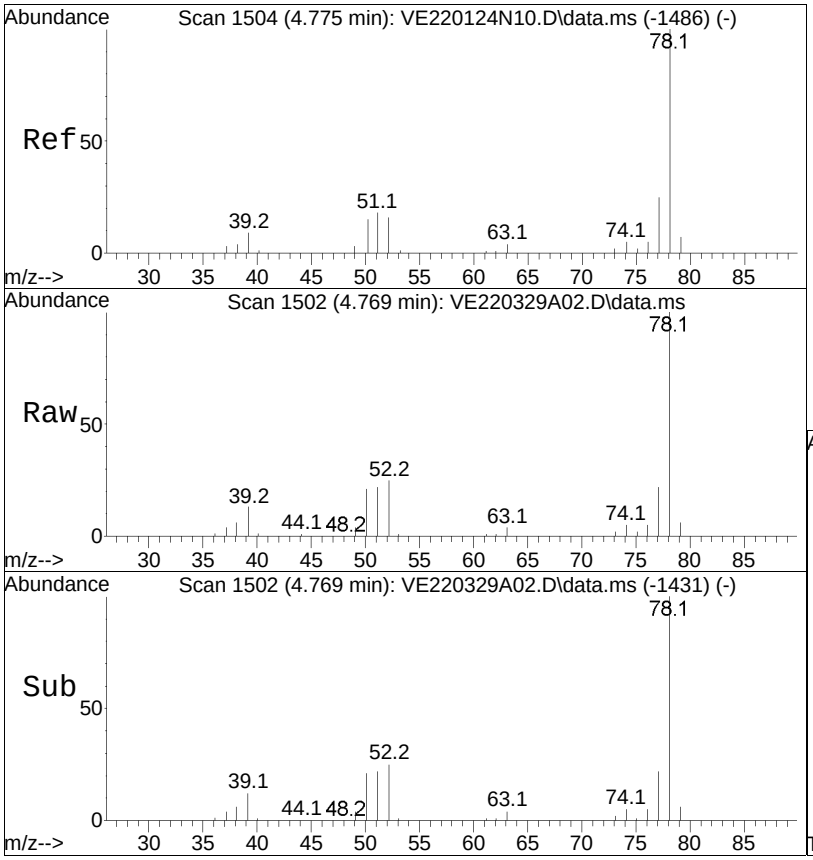


#40
1,1-Dichloropropene
Concen: 9.59 ug/L
RT: 4.449 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 75 Resp: 40484

Ion	Ratio	Lower	Upper
75	100		
110	35.3	20.2	41.9
77	30.3	20.1	41.7

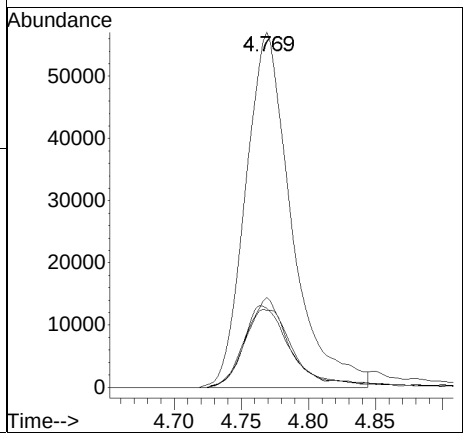


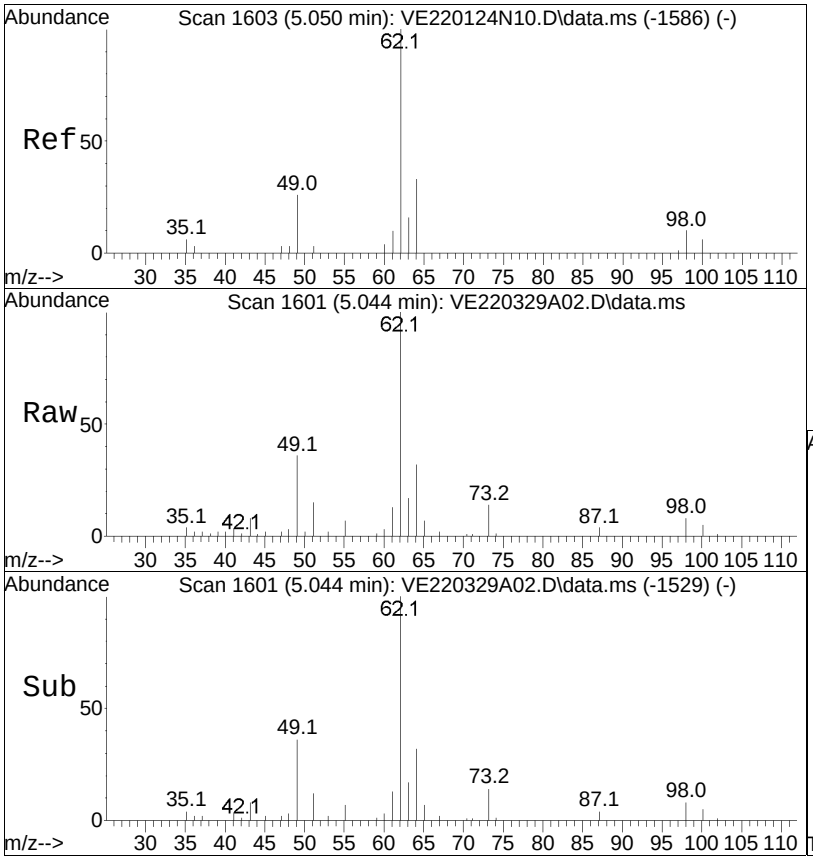


#41
Benzene
Concen: 10.03 ug/L
RT: 4.769 min Scan# 1502
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 78 Resp: 135699

Ion	Ratio	Lower	Upper
78	100		
77	22.1	15.7	32.7
51	23.6	16.0	33.2
52	25.1	15.3	31.9

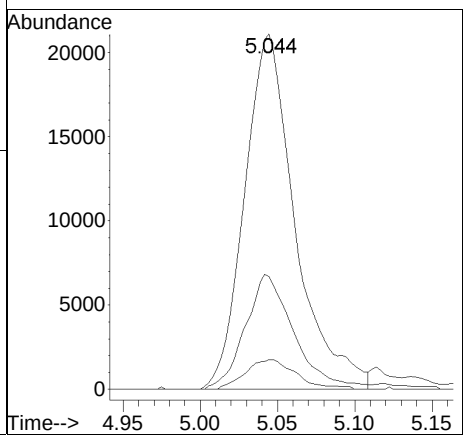


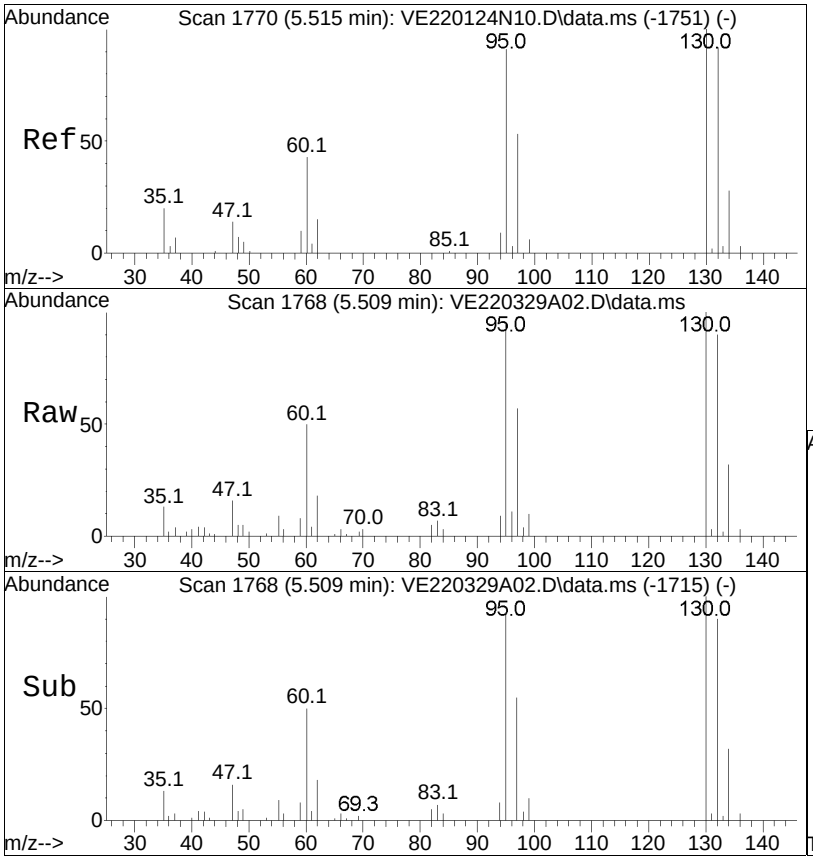


#44
1,2-Dichloroethane
Concen: 10.33 ug/L
RT: 5.044 min Scan# 1601
Delta R.T. -0.001 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 62 Resp: 48072

Ion	Ratio	Lower	Upper
62	100		
64	31.3	11.2	51.2
98	8.5	0.0	26.1

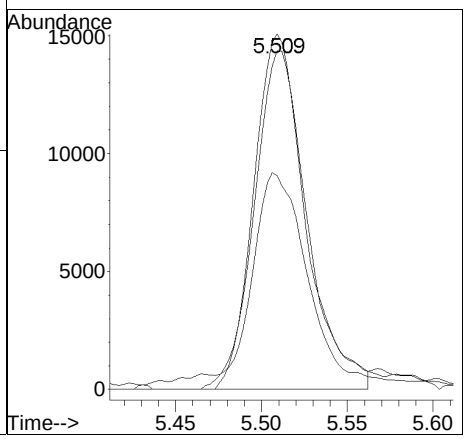


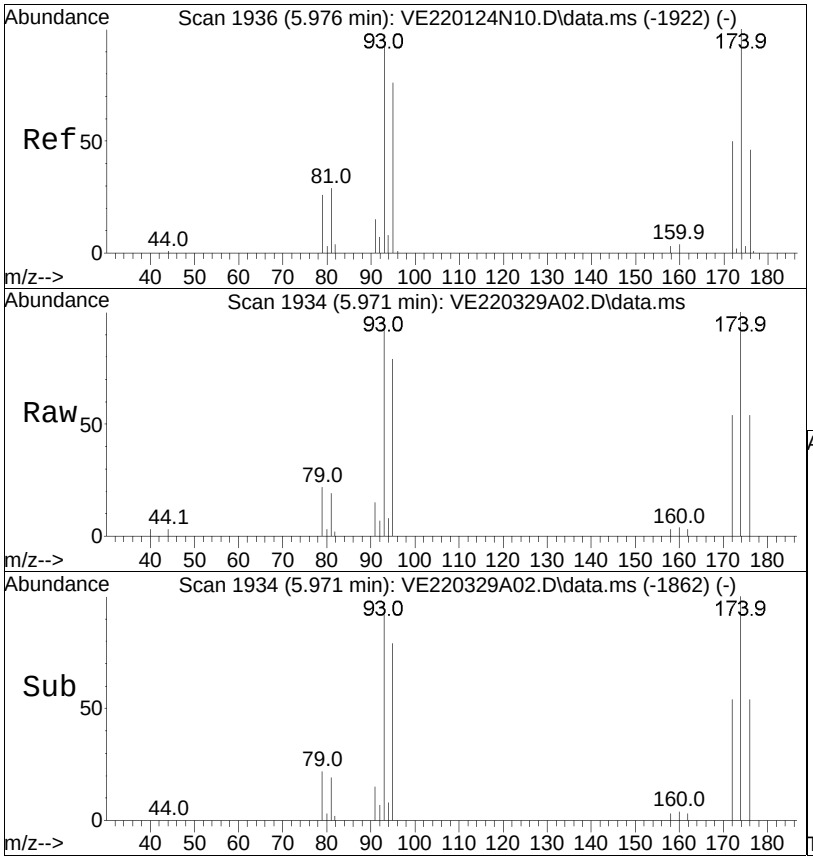


#48
Trichloroethene
Concen: 9.64 ug/L
RT: 5.509 min Scan# 1768
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 95 Resp: 31762

Ion	Ratio	Lower	Upper
95	100		
97	61.7	55.5	83.3
132	97.3	76.6	115.0

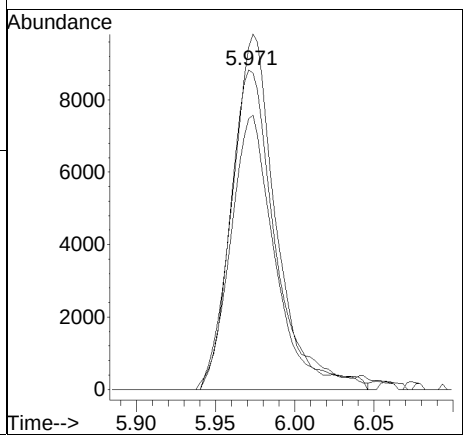


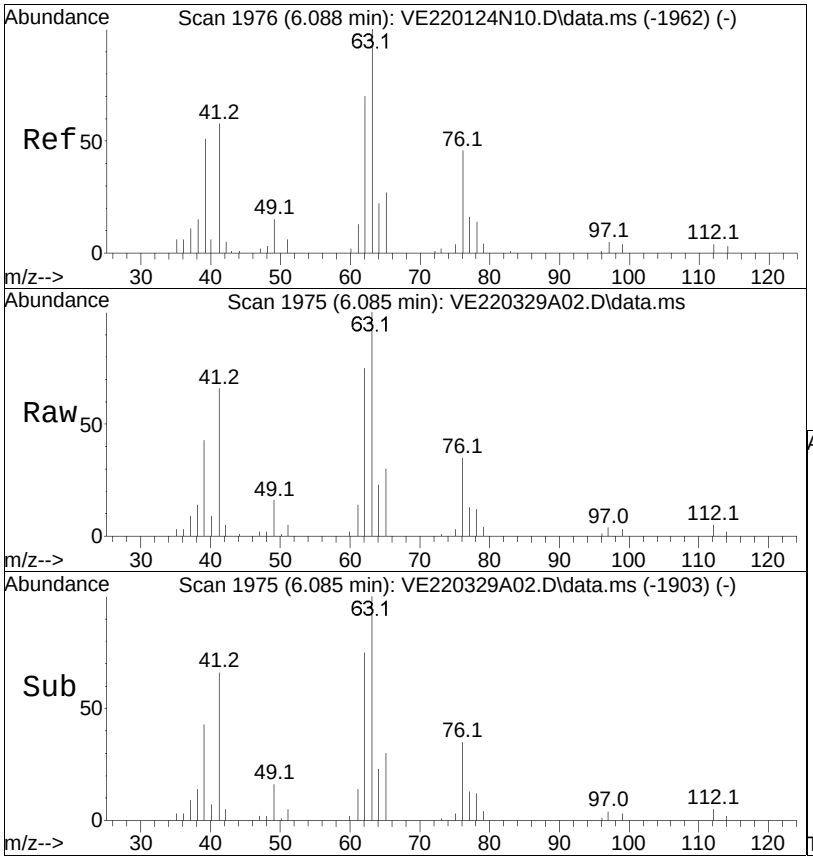


#50
Dibromomethane
Concen: 9.91 ug/L
RT: 5.971 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 93 Resp: 17454

Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.0	100.4
174	107.4	75.0	112.4

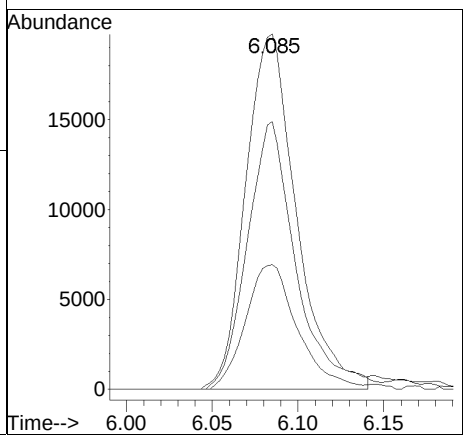


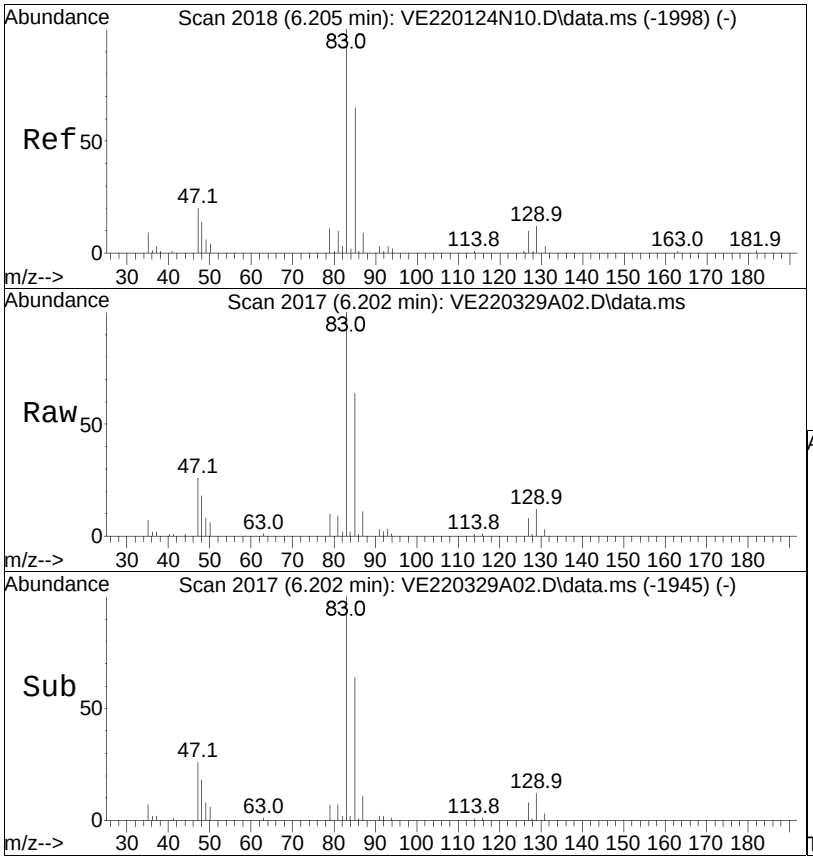


#51
1,2-Dichloropropane
Concen: 10.63 ug/L
RT: 6.085 min Scan# 1975
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 63 Resp: 40719

Ion	Ratio	Lower	Upper
63	100		
62	72.4	58.6	87.8
76	36.0	38.0	57.0#

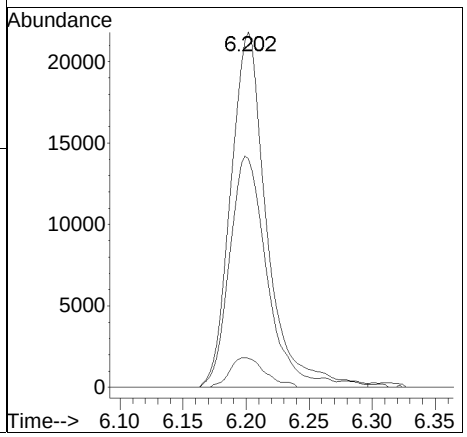


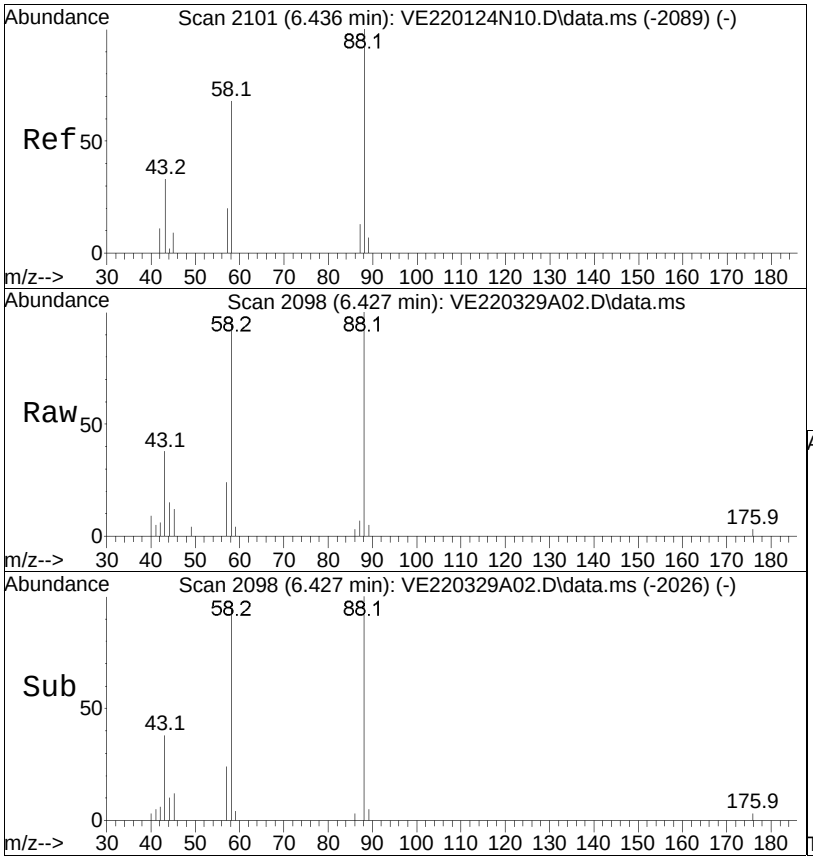


#54
Bromodichloromethane
Concen: 10.10 ug/L
RT: 6.202 min Scan# 2017
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 83 Resp: 43546

Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.3	78.5
127	8.3	6.2	9.4

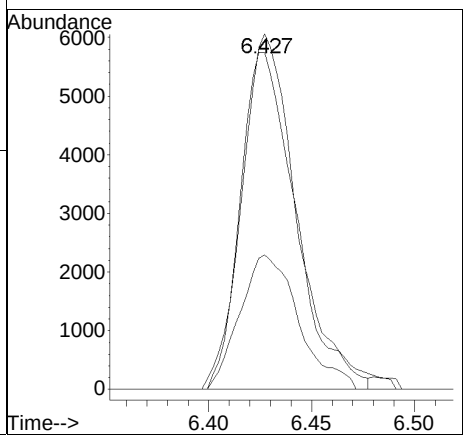


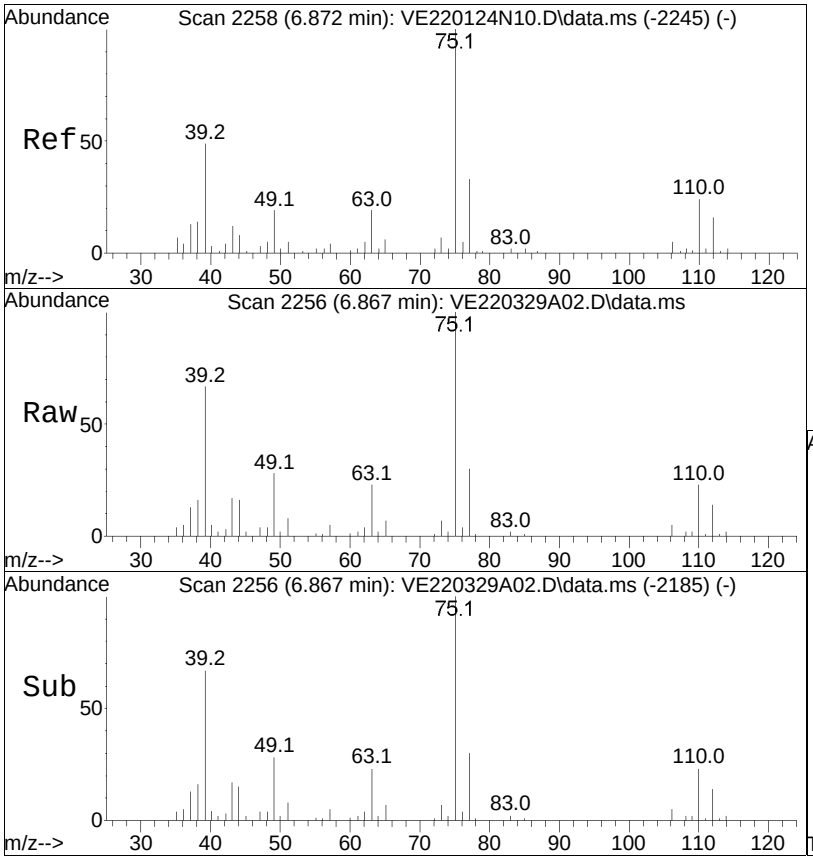


#57
1,4-Dioxane
Concen: 600.81 ug/L
RT: 6.427 min Scan# 2098
Delta R.T. 0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 88 Resp: 11172

Ion	Ratio	Lower	Upper
88	100		
58	97.5	76.7	115.1
43	40.8	36.2	54.2

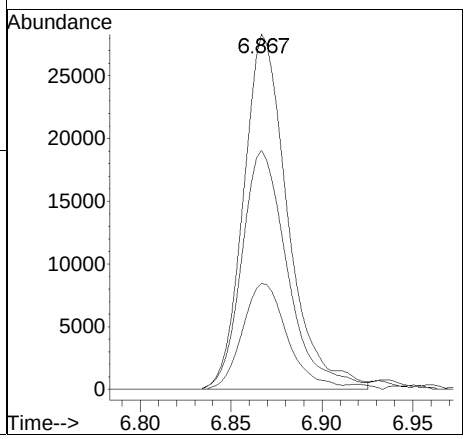


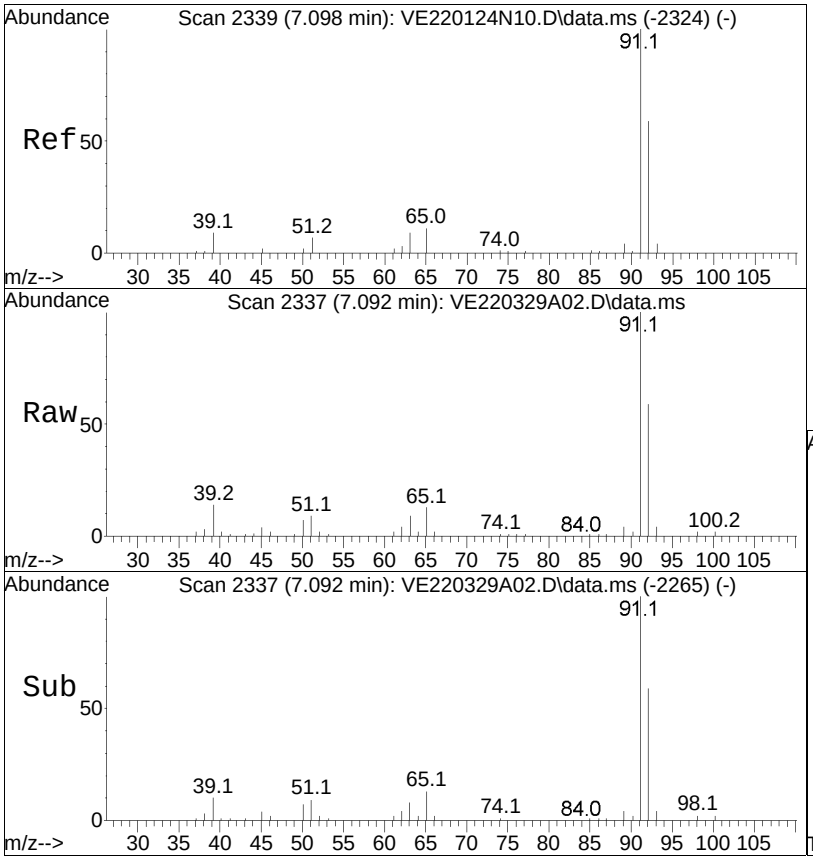


#58
cis-1,3-Dichloropropene
Concen: 9.78 ug/L
RT: 6.867 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 75 Resp: 48204

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.0	37.4
39	69.8	50.1	75.1

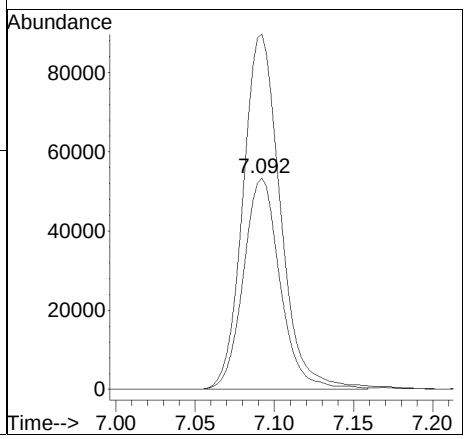


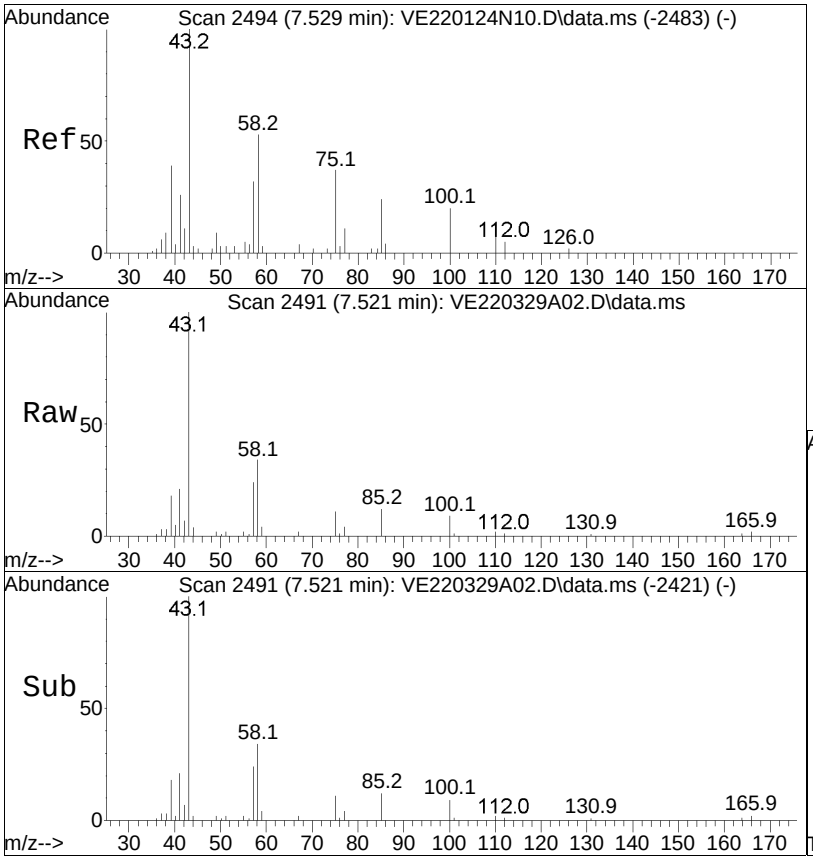


#61
Toluene
Concen: 9.91 ug/L
RT: 7.092 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 92 Resp: 86205

Ion	Ratio	Lower	Upper
92	100		
91	171.9	139.8	209.6

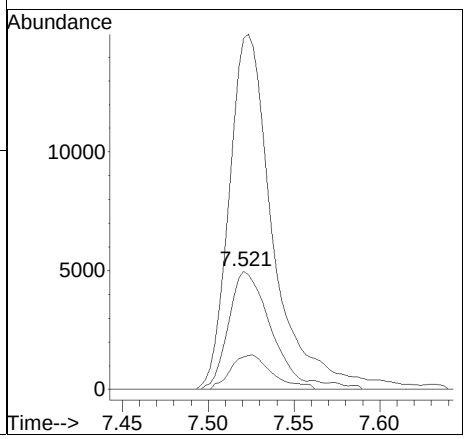


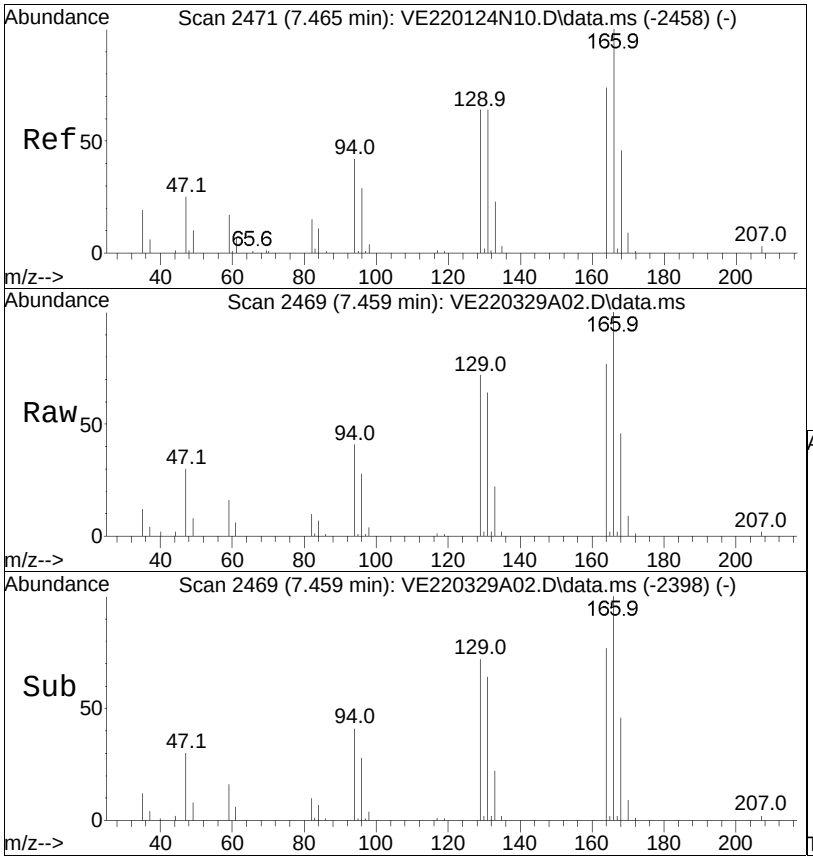


#62
4-Methyl-2-pentanone
Concen: 8.36 ug/L
RT: 7.521 min Scan# 2491
Delta R.T. -0.005 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 58 Resp: 8830

Ion	Ratio	Lower	Upper
58	100		
100	27.9	20.2	30.2
43	305.4	196.6	295.0#

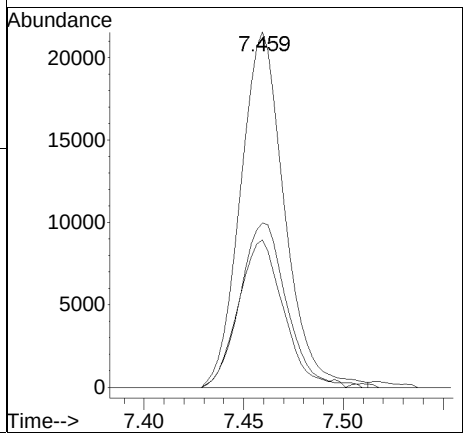


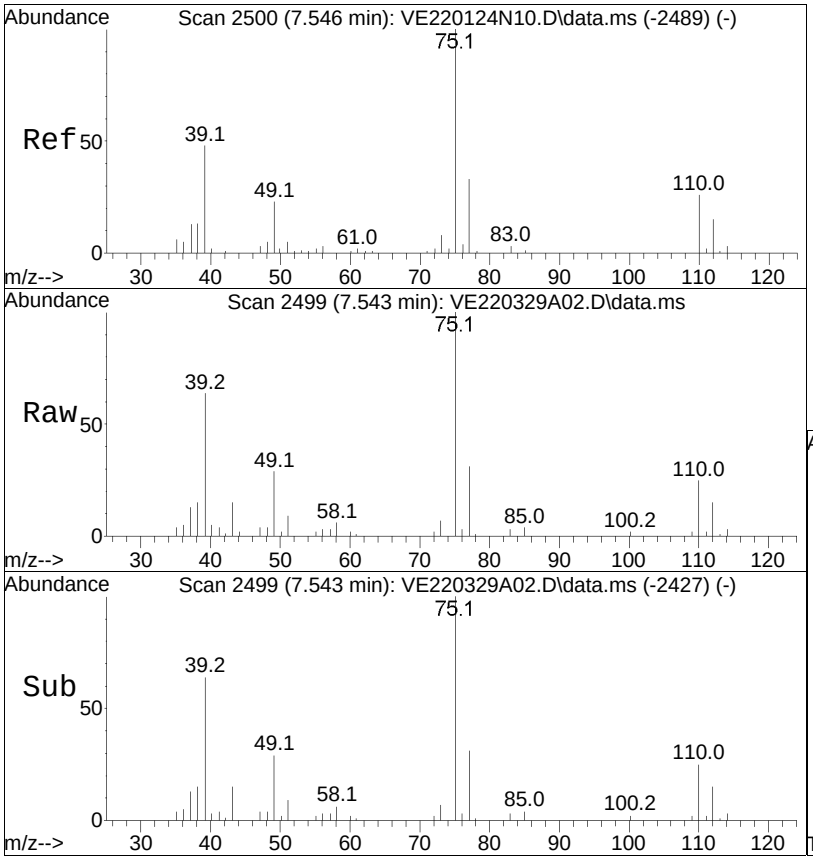


#63
Tetrachloroethene
Concen: 10.17 ug/L
RT: 7.459 min Scan# 2469
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:166 Resp: 33205

Ion	Ratio	Lower	Upper
166	100		
168	48.8	28.2	68.2
94	42.5	38.4	78.4

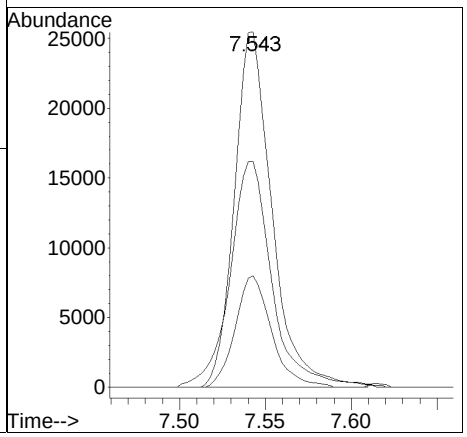


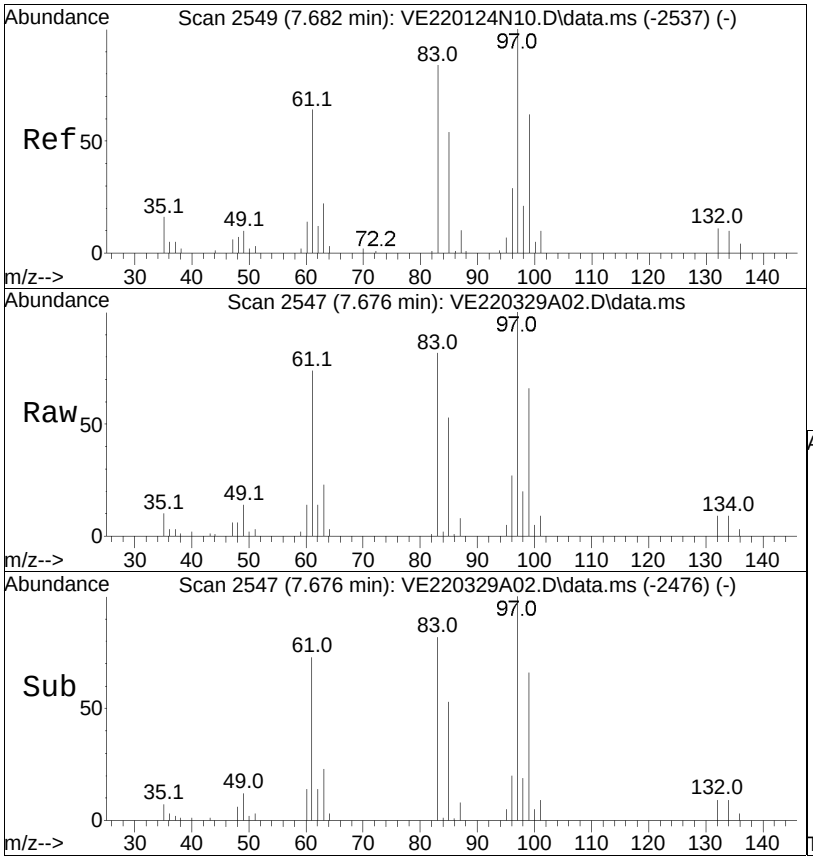


#65
trans-1,3-Dichloropropene
Concen: 9.51 ug/L
RT: 7.543 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 75 Resp: 38951

Ion	Ratio	Lower	Upper
75	100		
77	30.4	12.4	52.4
39	71.0	42.8	82.8

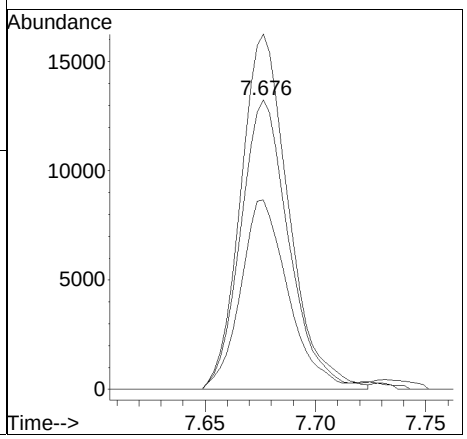


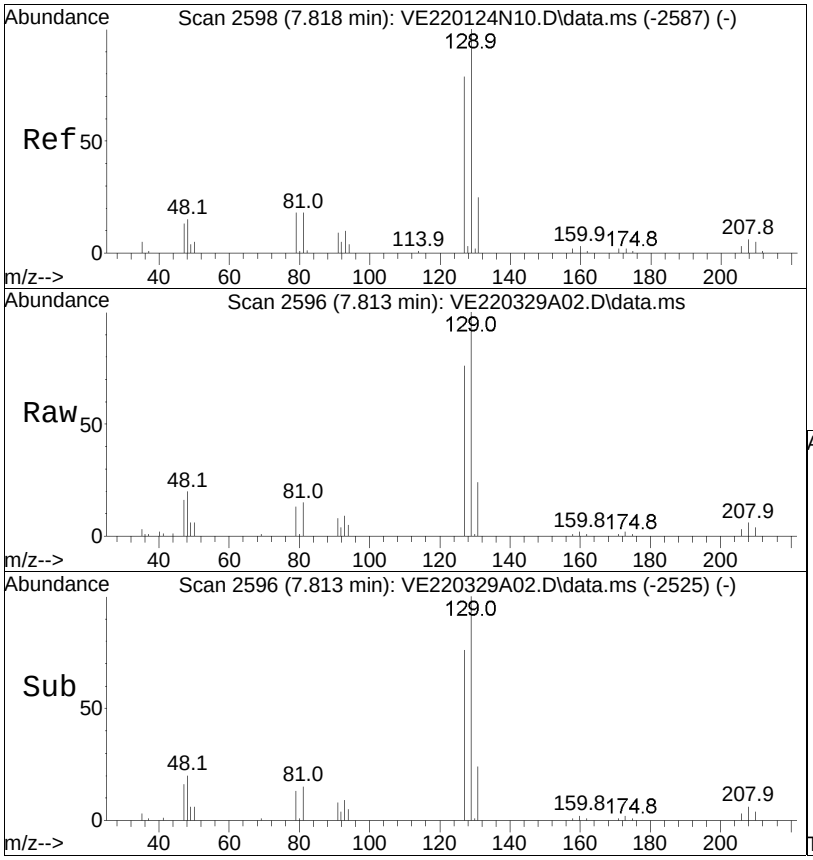


#68
1,1,2-Trichloroethane
Concen: 9.19 ug/L
RT: 7.676 min Scan# 2547
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 83 Resp: 20174

Ion	Ratio	Lower	Upper
83	100		
97	123.2	89.8	129.8
85	64.6	44.4	84.4

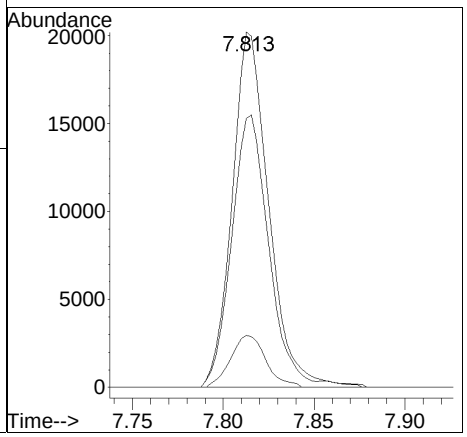


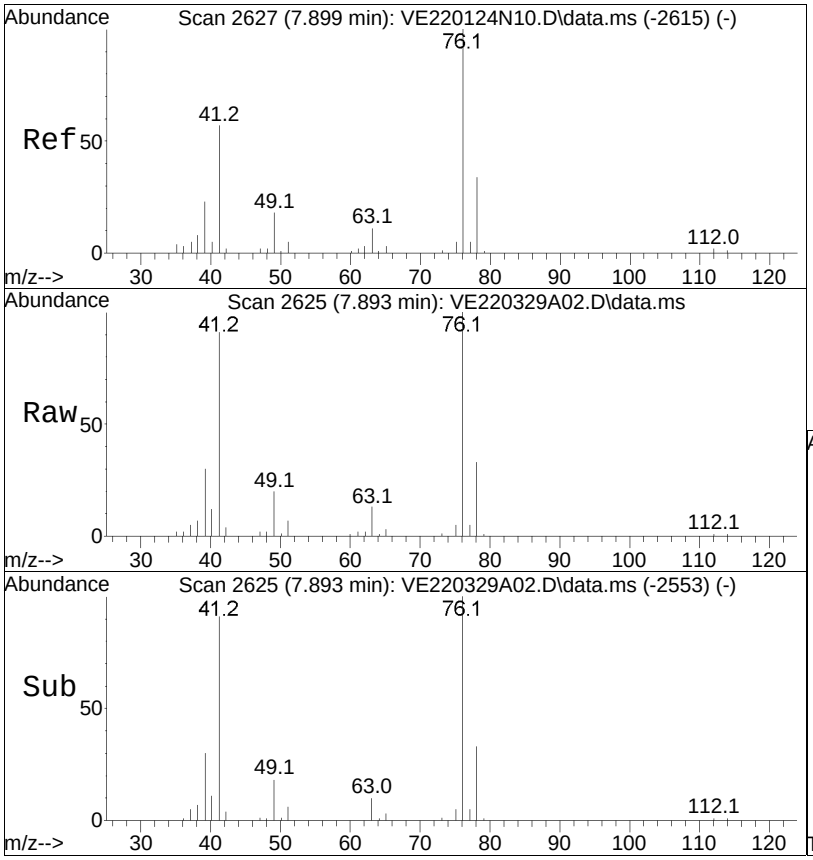


#69
Chlorodibromomethane
Concen: 9.32 ug/L
RT: 7.813 min Scan# 2596
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:129 Resp: 28332

Ion	Ratio	Lower	Upper
129	100		
81	14.2	2.9	42.9
127	77.3	57.8	97.8

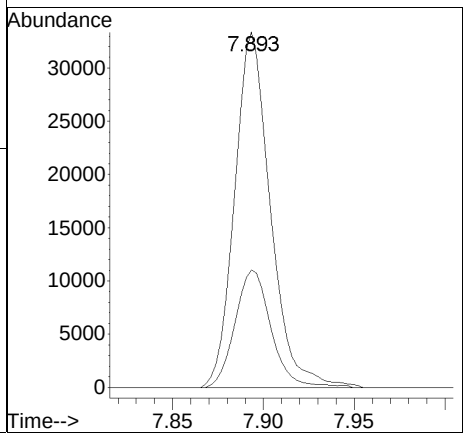


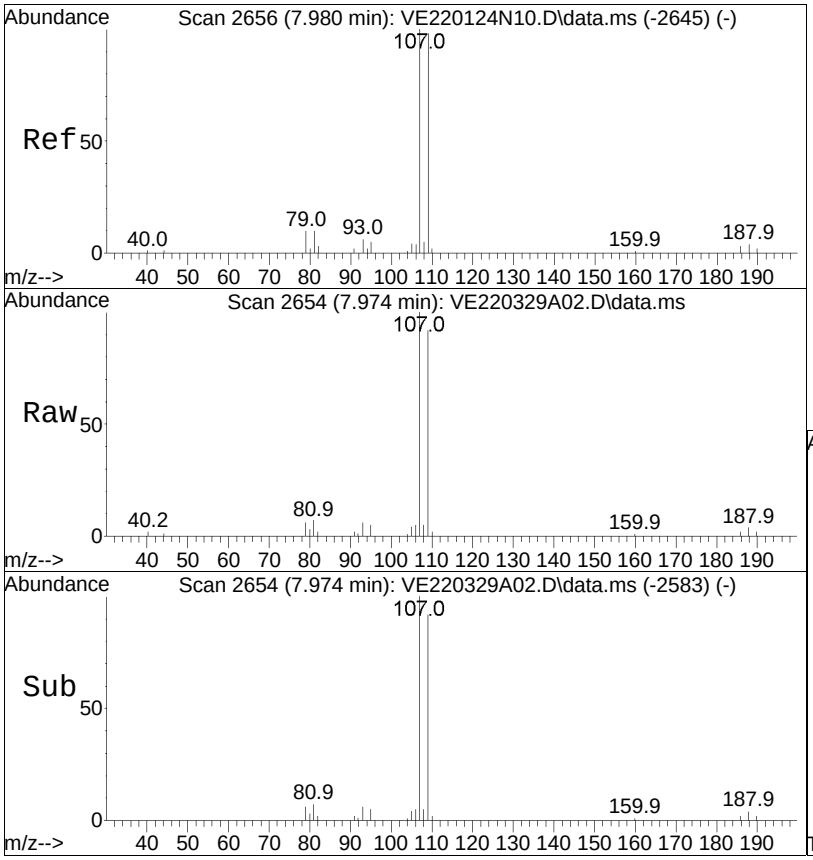


#70
1,3-Dichloropropane
Concen: 9.39 ug/L
RT: 7.893 min Scan# 2625
Delta R.T. -0.001 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 76 Resp: 45682

Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.5	38.3

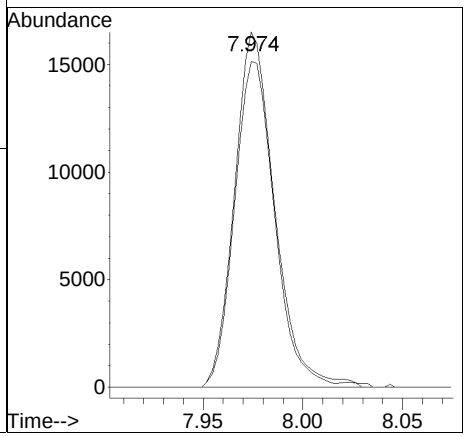


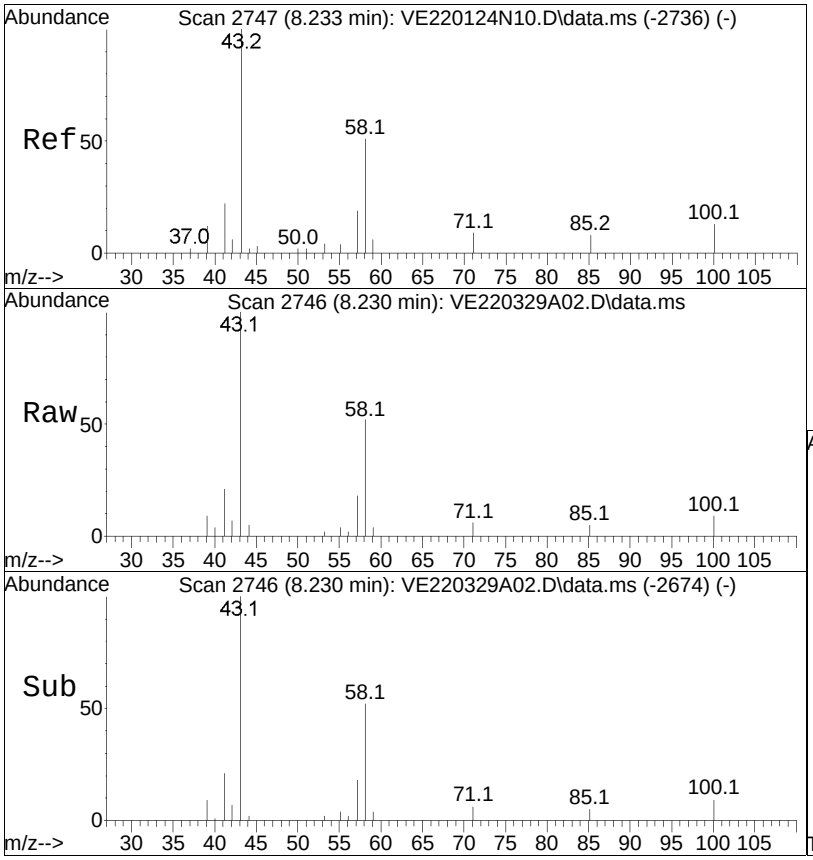


#71
1,2-Dibromoethane
Concen: 8.69 ug/L
RT: 7.974 min Scan# 2654
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:107 Resp: 23207

Ion	Ratio	Lower	Upper
107	100		
109	91.2	74.3	111.5

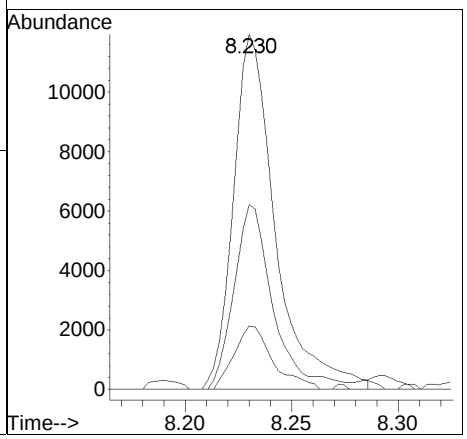


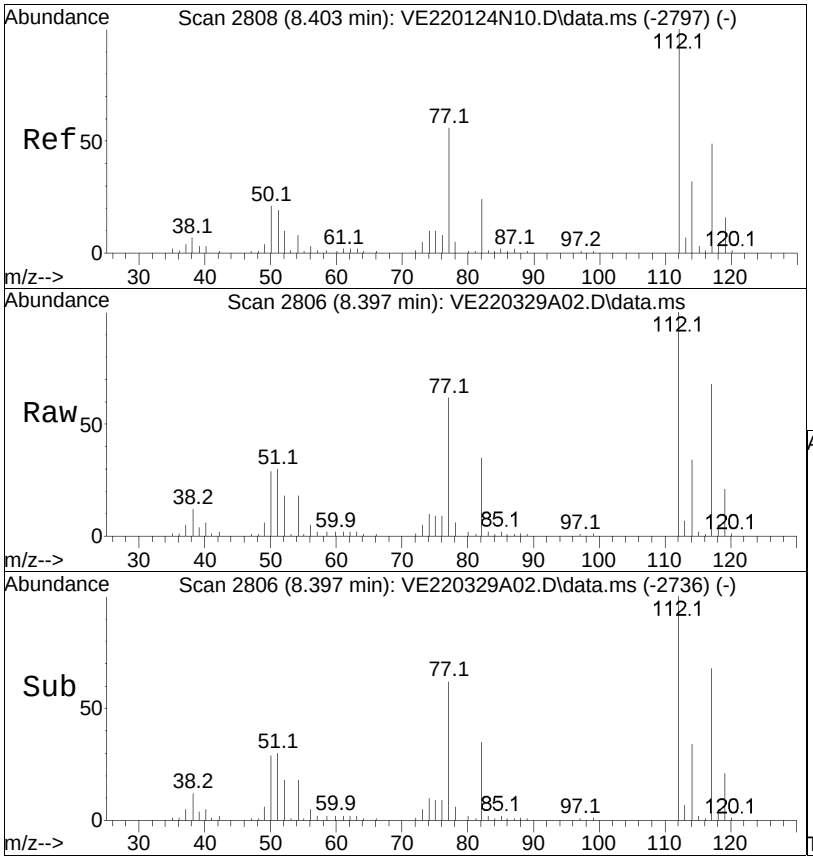


#72
2-Hexanone
Concen: 9.19 ug/L
RT: 8.230 min Scan# 2746
Delta R.T. 0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 43 Resp: 16418

Ion	Ratio	Lower	Upper
43	100		
58	48.7	41.2	61.8
57	16.6	17.2	25.8#

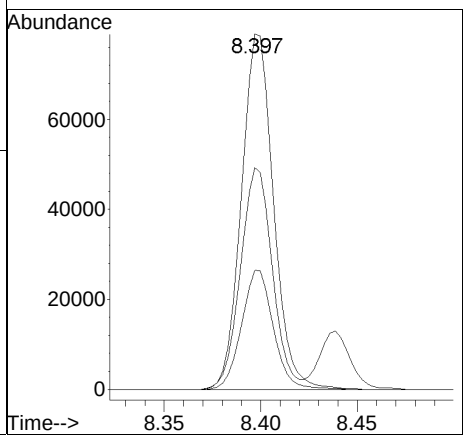


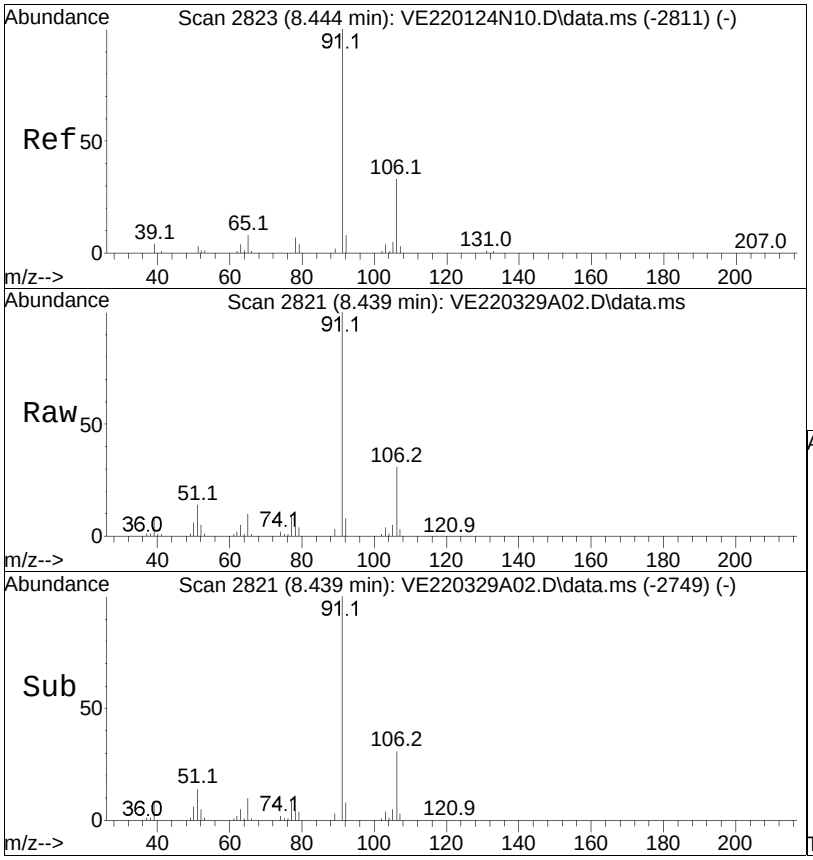


#73
Chlorobenzene
Concen: 9.90 ug/L
RT: 8.397 min Scan# 2806
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:112 Resp: 91574

Ion	Ratio	Lower	Upper
112	100		
77	62.1	55.4	83.0
114	33.1	25.4	38.2

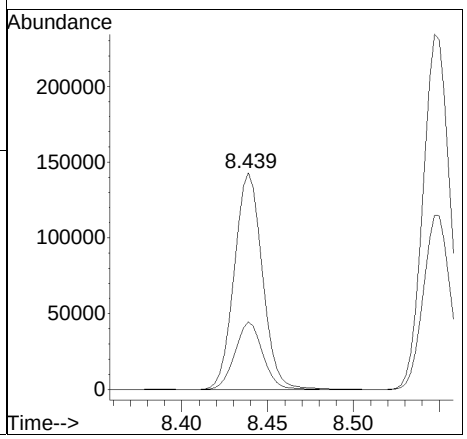


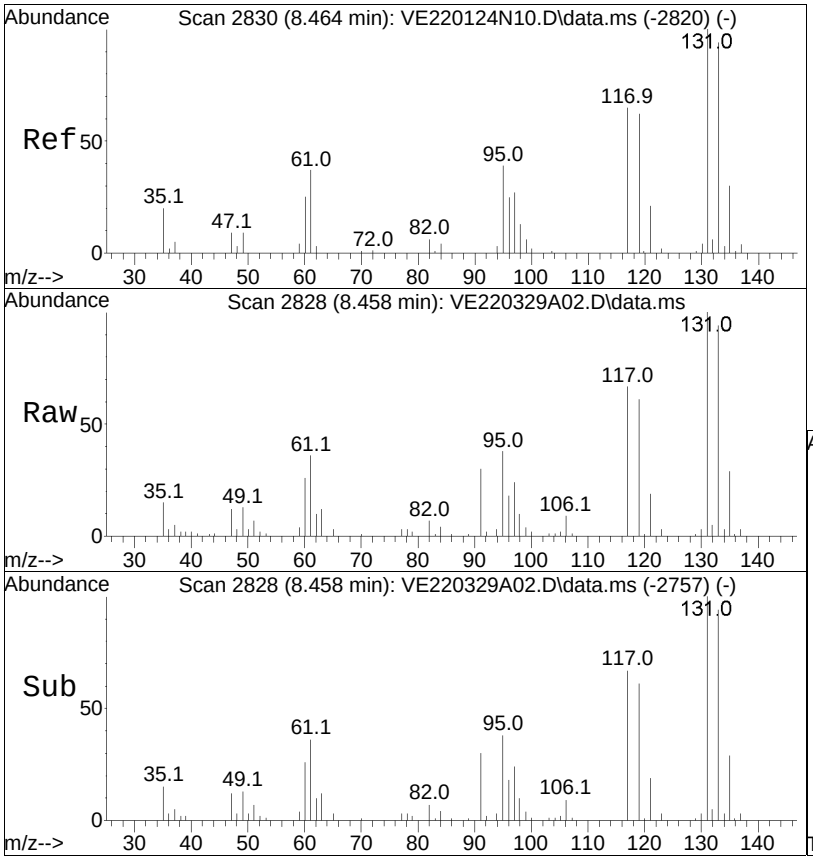


#74
Ethylbenzene
Concen: 10.67 ug/L
RT: 8.439 min Scan# 2821
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 91 Resp: 162995

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.3	36.5

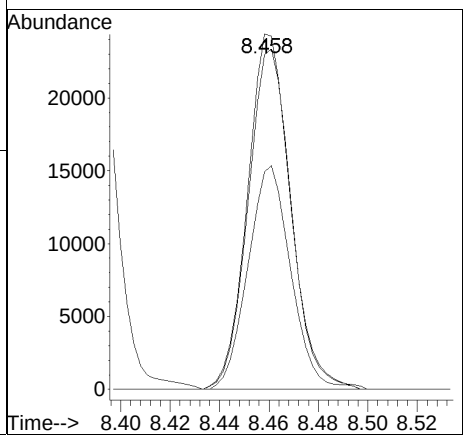


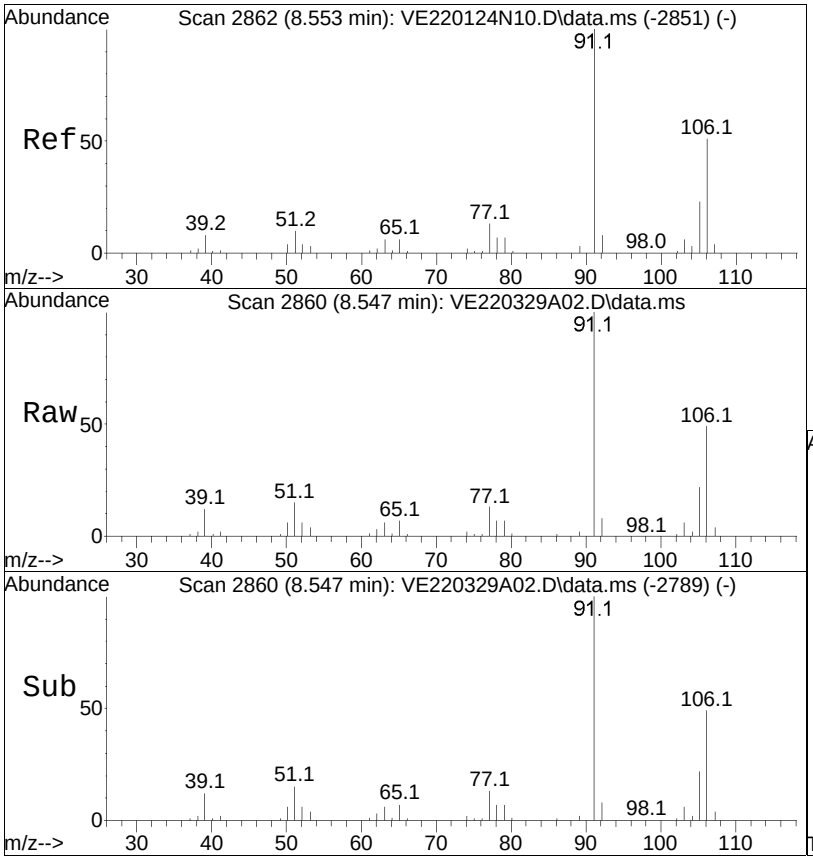


#75
1,1,1,2-Tetrachloroethane
Concen: 9.71 ug/L
RT: 8.458 min Scan# 2828
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:131 Resp: 29529

Ion	Ratio	Lower	Upper
131	100		
133	96.3	81.0	121.0
119	62.6	41.3	81.3

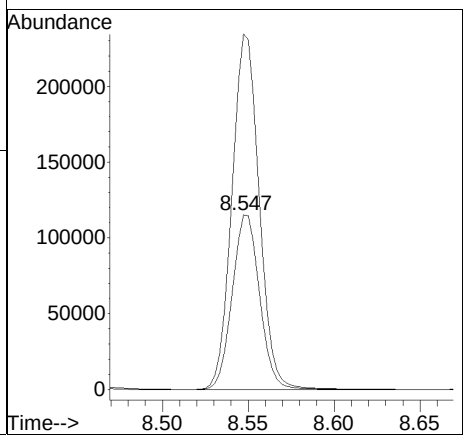


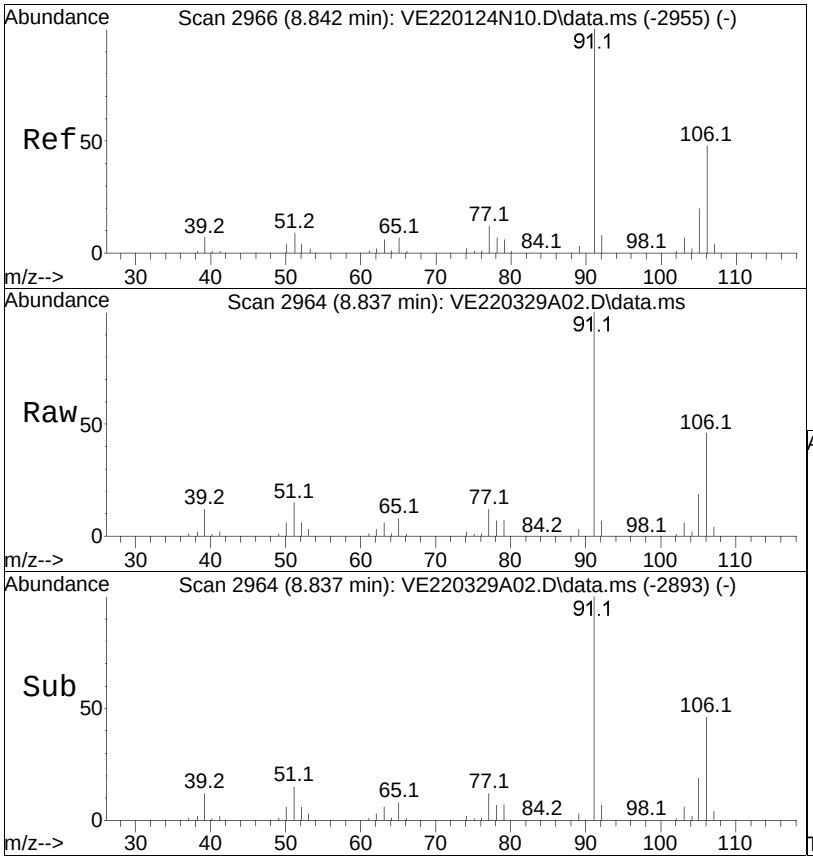


#76
p/m Xylene
Concen: 21.84 ug/L
RT: 8.547 min Scan# 2860
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:106 Resp: 127951

Ion	Ratio	Lower	Upper
106	100		
91	202.2	166.4	249.6

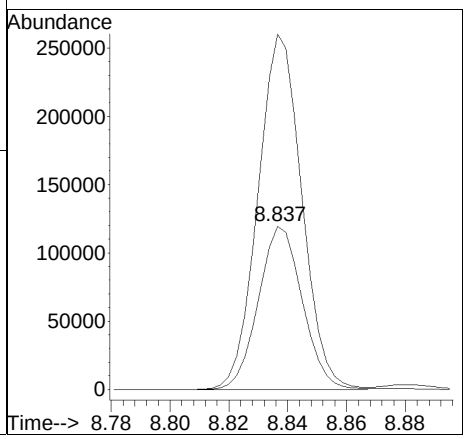


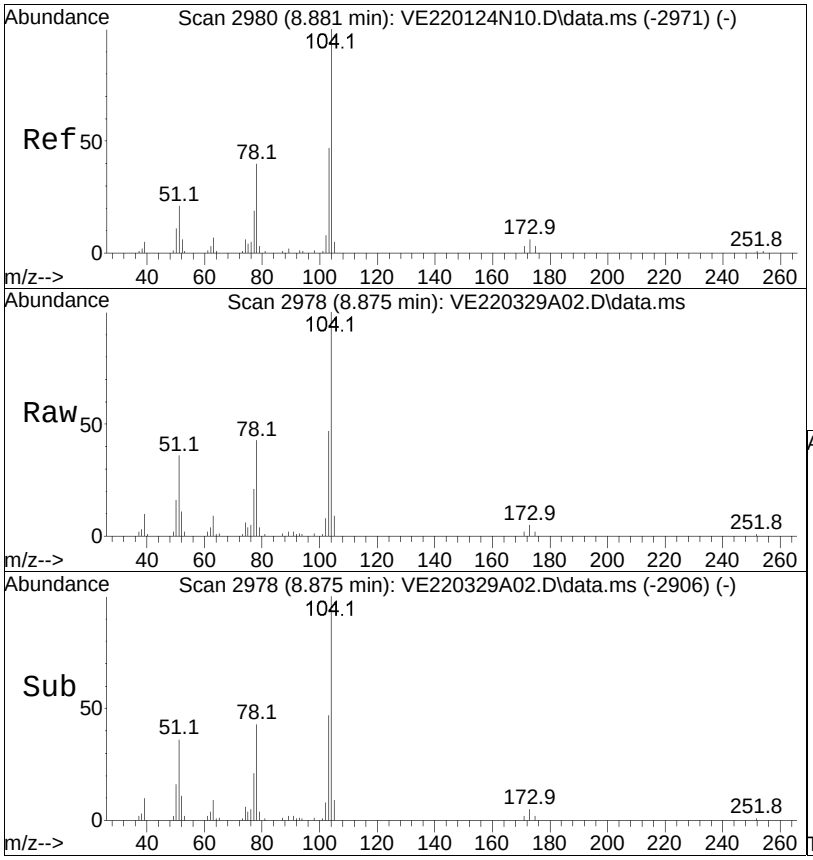


#77
o Xylene
Concen: 21.37 ug/L
RT: 8.837 min Scan# 2964
Delta R.T. -0.002 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:106 Resp: 123591

Ion	Ratio	Lower	Upper
106	100		
91	217.7	182.6	273.8

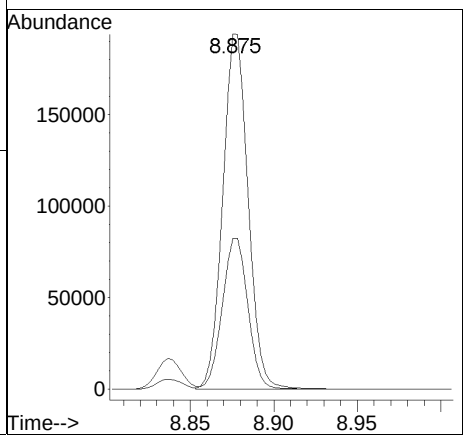


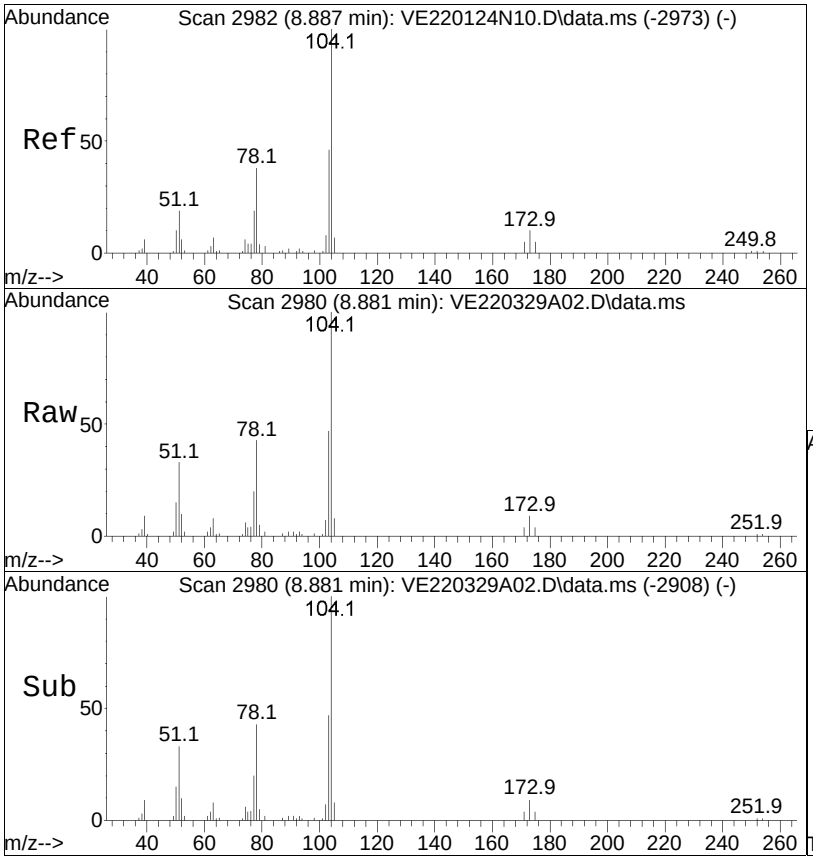


#78
Styrene
Concen: 22.16 ug/L
RT: 8.875 min Scan# 2978
Delta R.T. -0.001 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:104 Resp: 205564

Ion	Ratio	Lower	Upper
104	100		
78	42.6	39.8	59.6

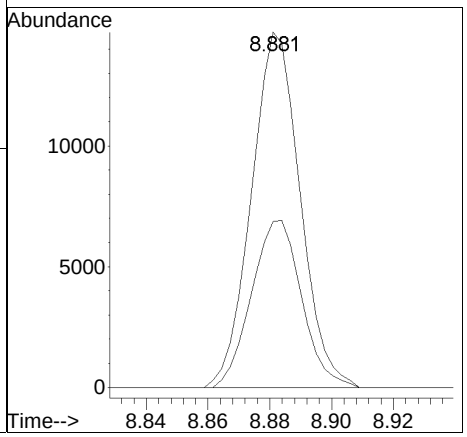


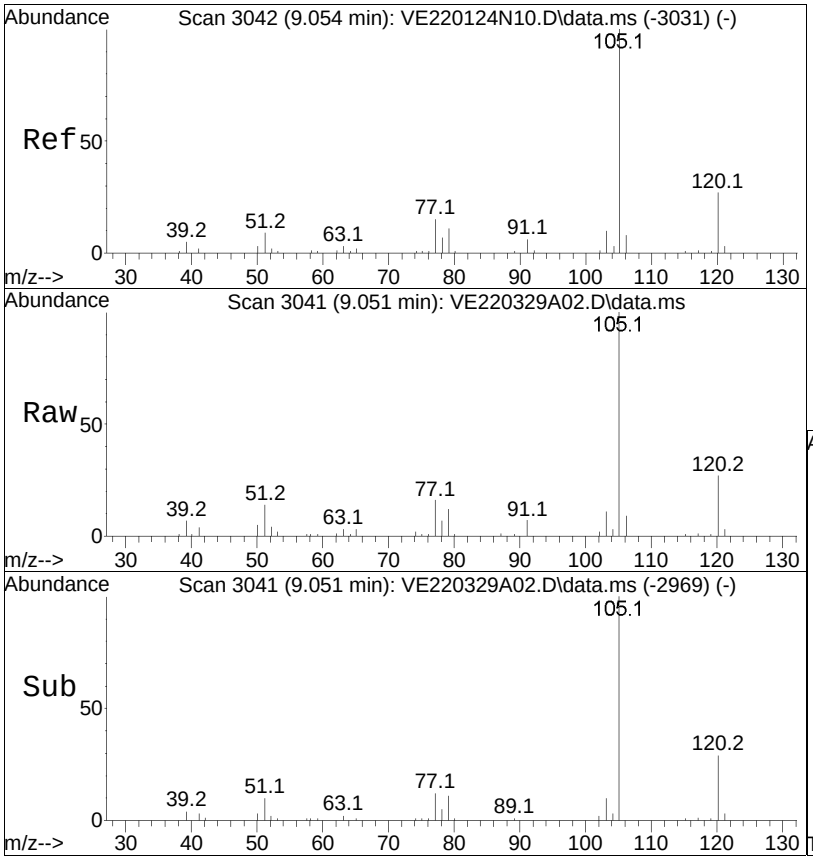


#80
Bromoform
Concen: 8.93 ug/L
RT: 8.881 min Scan# 2980
Delta R.T. 0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:173 Resp: 16095

Ion	Ratio	Lower	Upper
173	100		
175	48.3	31.5	71.5

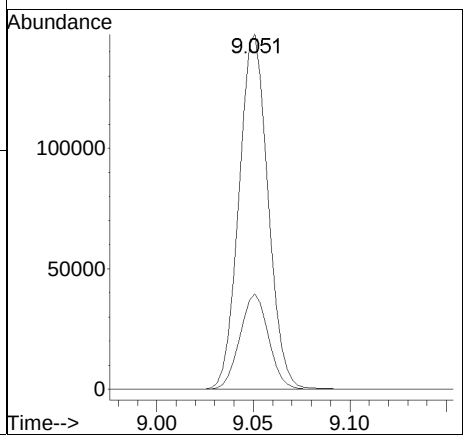


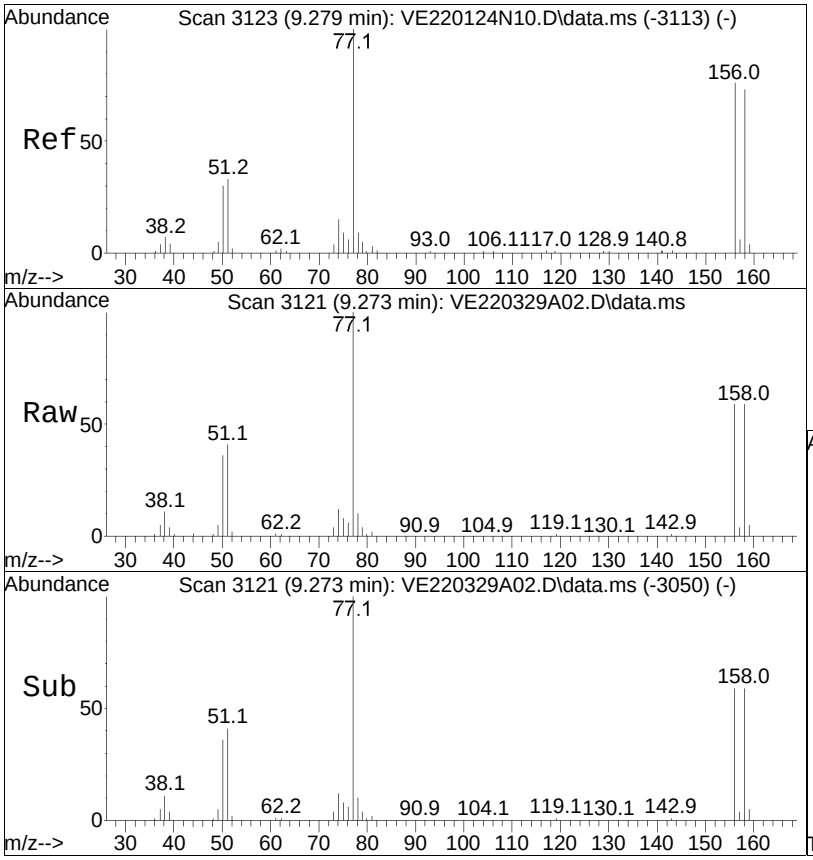


#82
Isopropylbenzene
Concen: 10.34 ug/L
RT: 9.051 min Scan# 3041
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:105 Resp: 154141

Ion	Ratio	Lower	Upper
105	100		
120	26.6	4.8	44.8

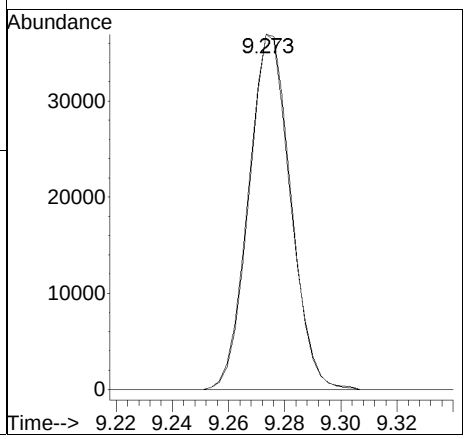


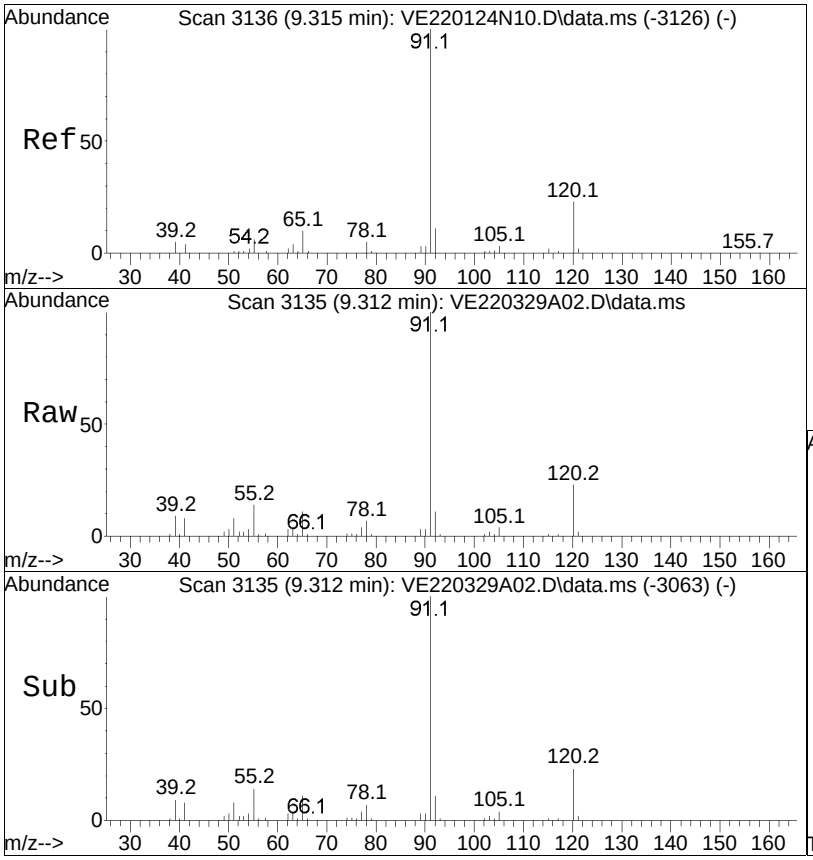


#84
Bromobenzene
Concen: 10.11 ug/L
RT: 9.273 min Scan# 3121
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:156 Resp: 38612

Ion	Ratio	Lower	Upper
156	100		
158	97.6	75.9	113.9

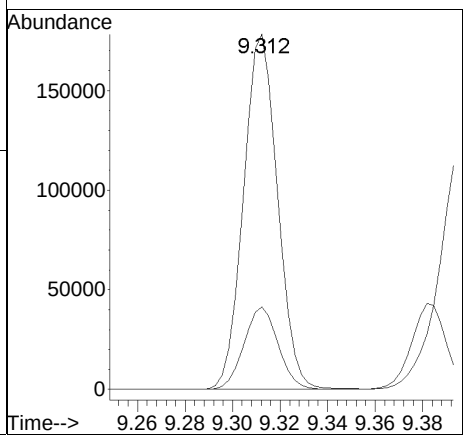


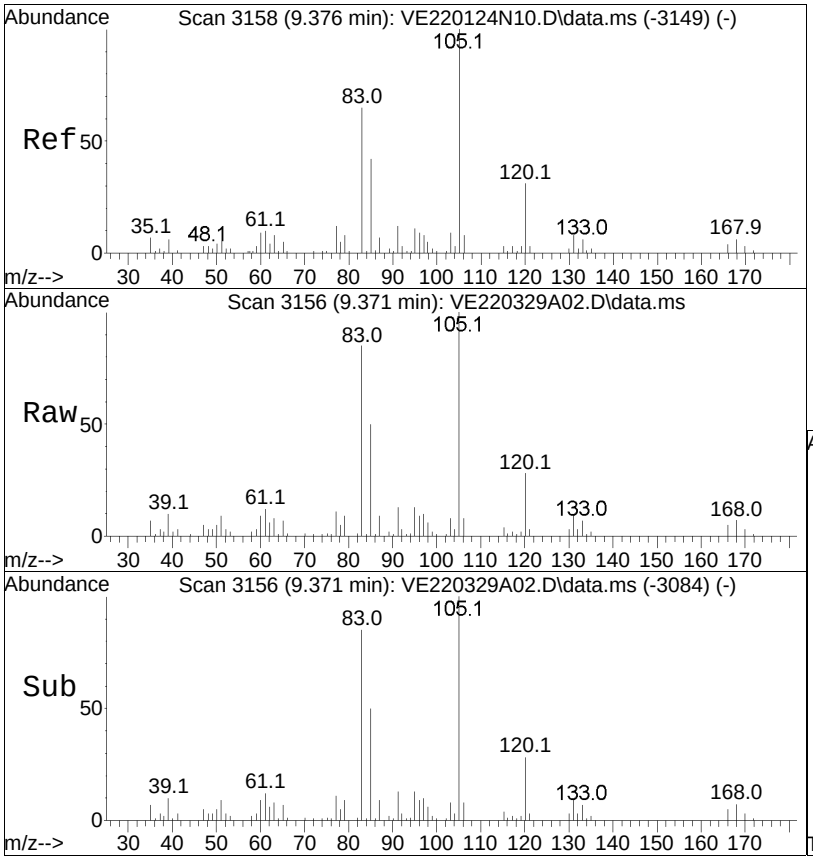


#85
n-Propylbenzene
Concen: 10.47 ug/L
RT: 9.312 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 91 Resp: 177634

Ion	Ratio	Lower	Upper
91	100		
120	23.2	17.0	25.6

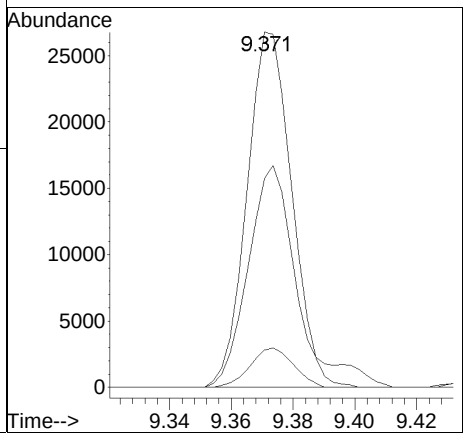


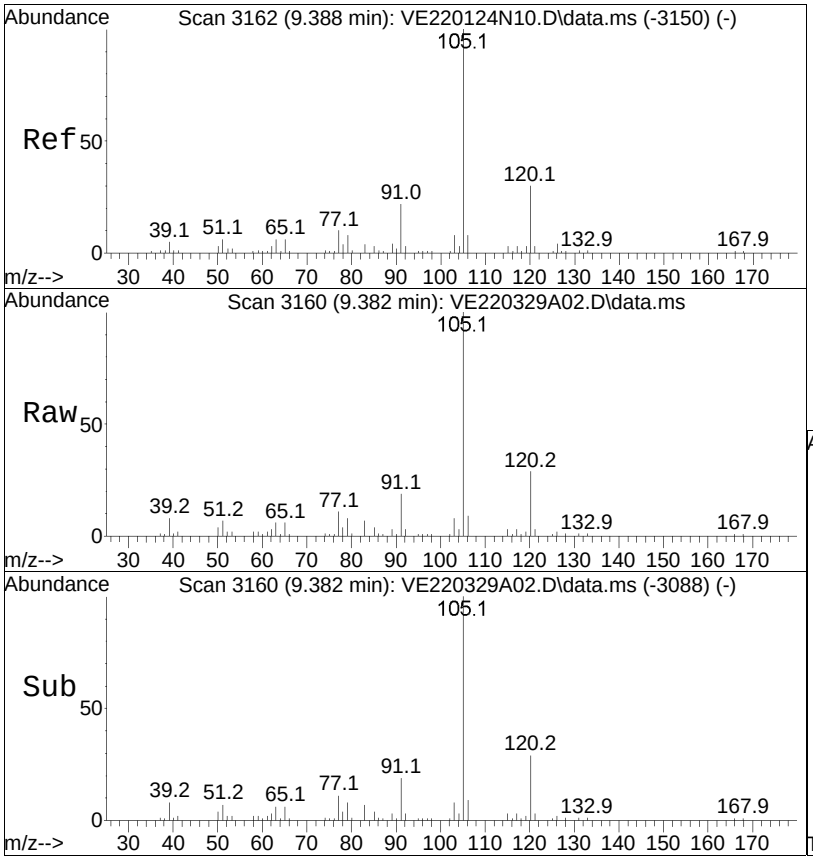


#87
1,1,2,2-Tetrachloroethane
Concen: 8.79 ug/L
RT: 9.371 min Scan# 3156
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 83 Resp: 27011

Ion	Ratio	Lower	Upper
83	100		
131	10.8	0.0	30.4
85	68.3	45.4	85.4

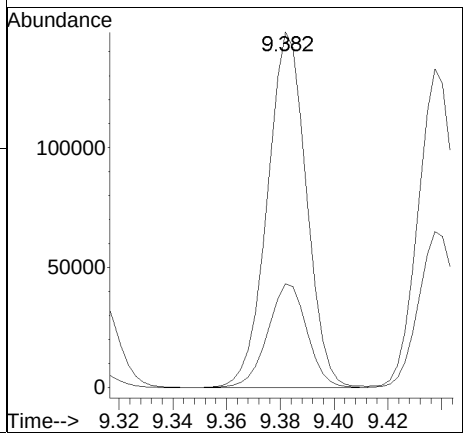


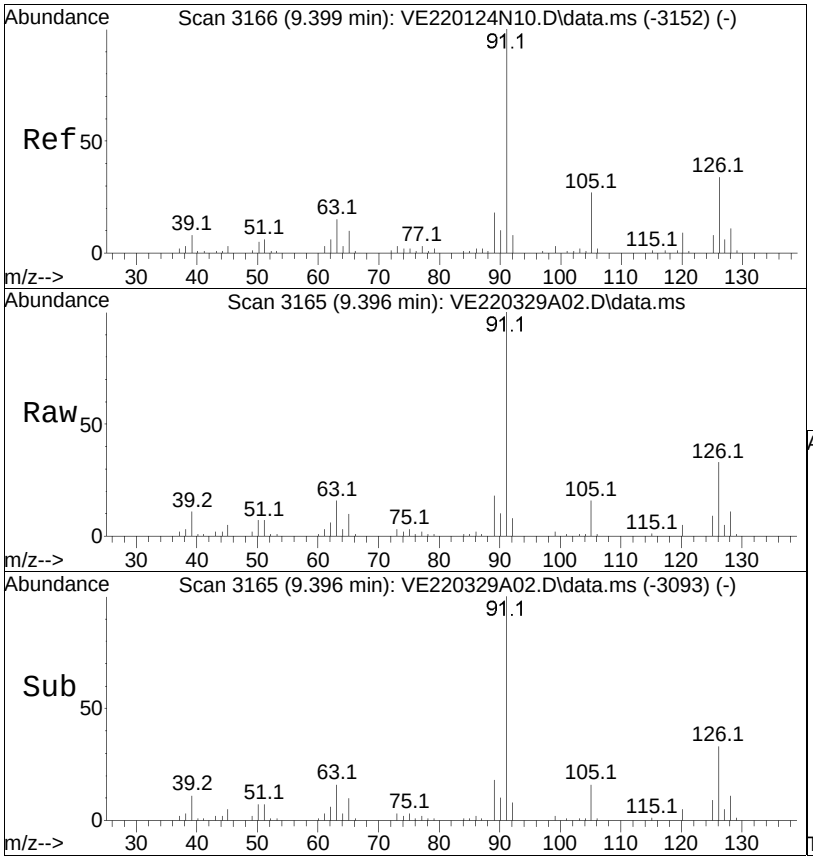


#88
4-Ethyltoluene
Concen: 10.65 ug/L
RT: 9.382 min Scan# 3160
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:105 Resp: 149542

Ion	Ratio	Lower	Upper
105	100		
120	29.2	18.1	37.7

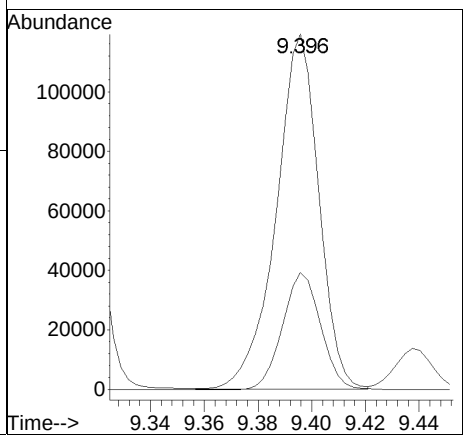


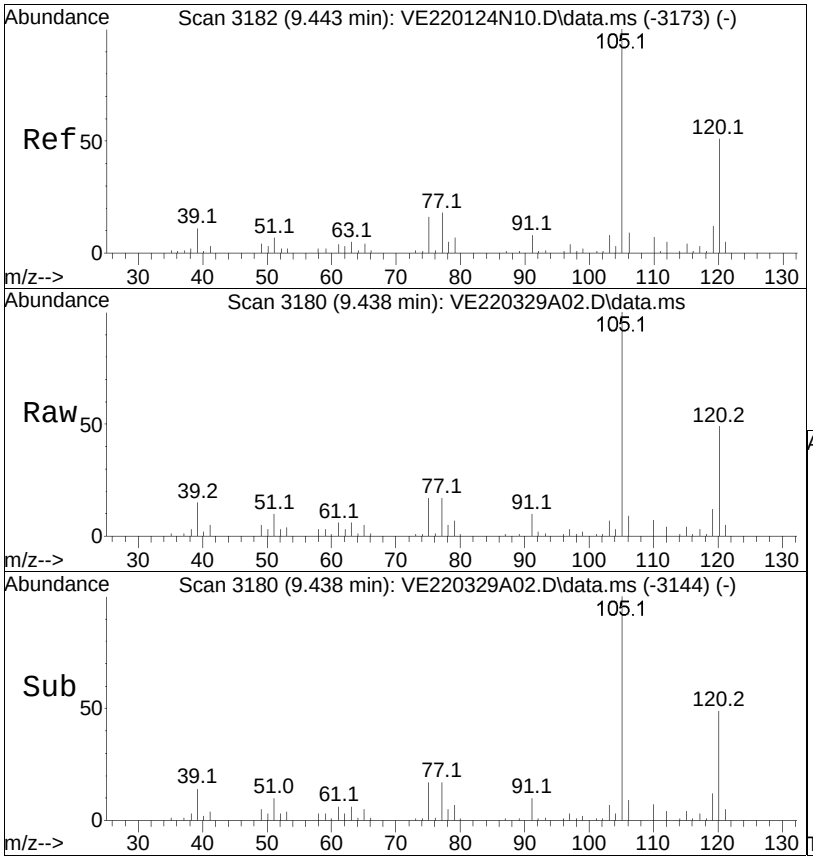


#89
2-Chlorotoluene
Concen: 10.39 ug/L
RT: 9.396 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 91 Resp: 131586

Ion	Ratio	Lower	Upper
91	100		
126	29.3	21.5	32.3

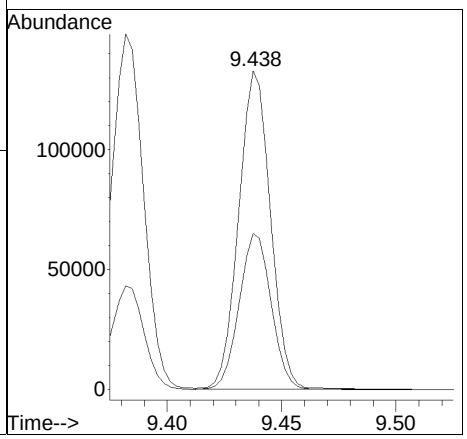


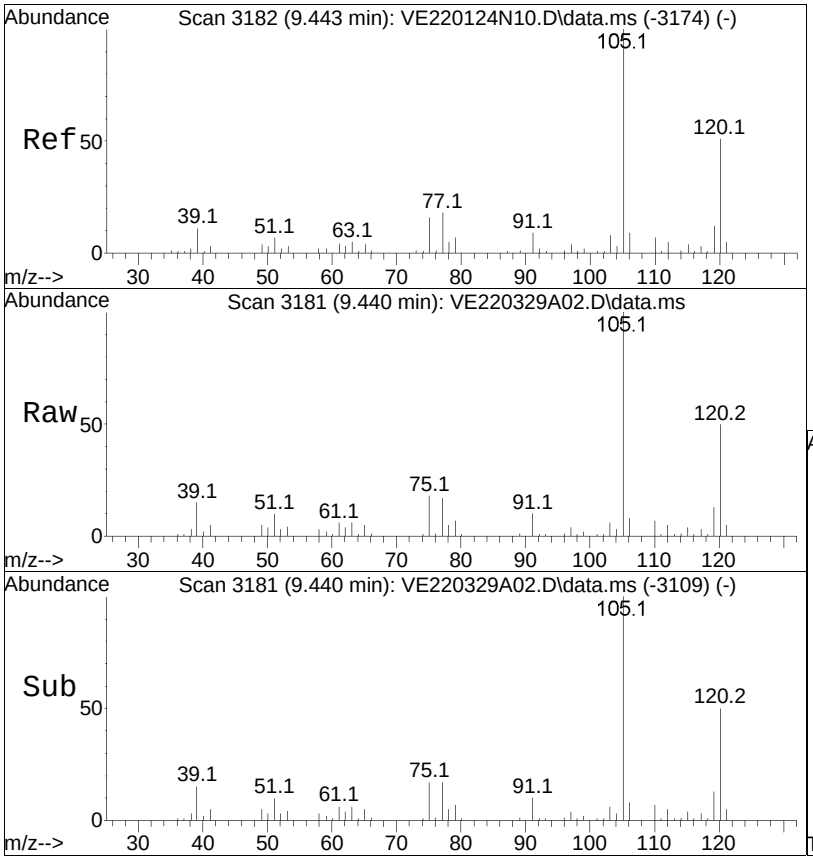


#90
1,3,5-Trimethylbenzene
Concen: 10.72 ug/L
RT: 9.438 min Scan# 3180
Delta R.T. -0.001 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:105 Resp: 127947

Ion	Ratio	Lower	Upper
105	100		
120	49.3	34.8	52.2

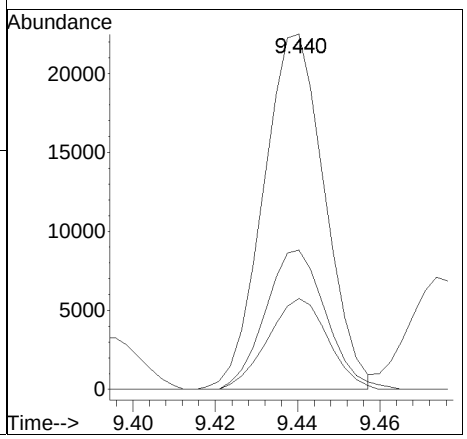


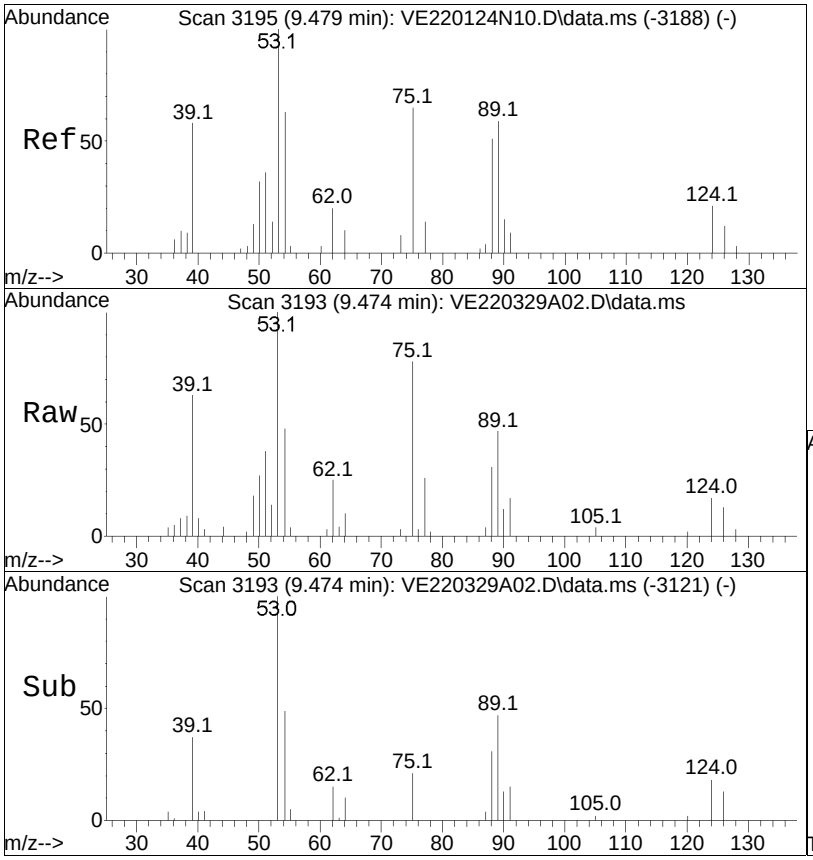


#91
1,2,3-Trichloropropane
Concen: 8.87 ug/L
RT: 9.440 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 75 Resp: 23261

Ion	Ratio	Lower	Upper
75	100		
110	38.7	25.4	52.8
112	25.1	15.6	32.4

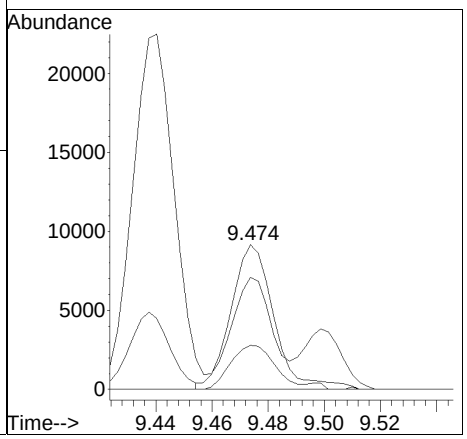


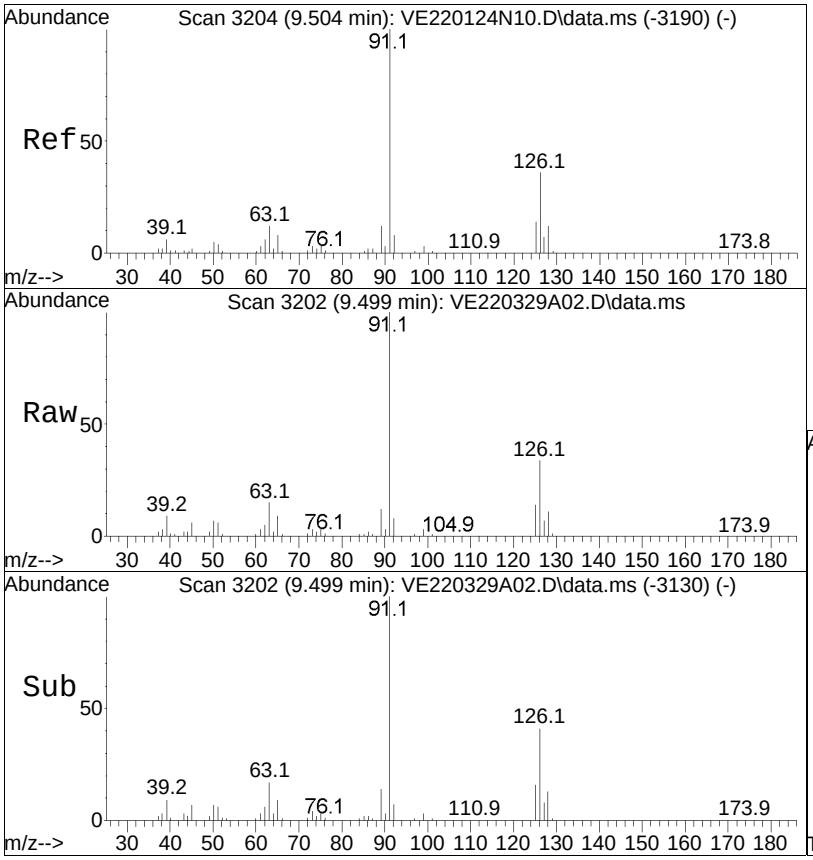


#92
trans-1,4-Dichloro-2-butene
Concen: 8.99 ug/L
RT: 9.474 min Scan# 3193
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 53 Resp: 9795

Ion	Ratio	Lower	Upper
53	100		
88	32.7	39.6	59.4#
75	74.2	70.2	105.4

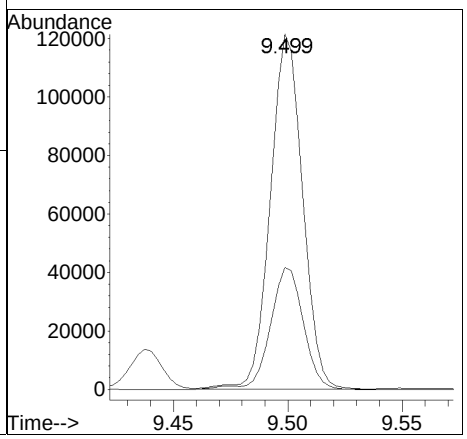


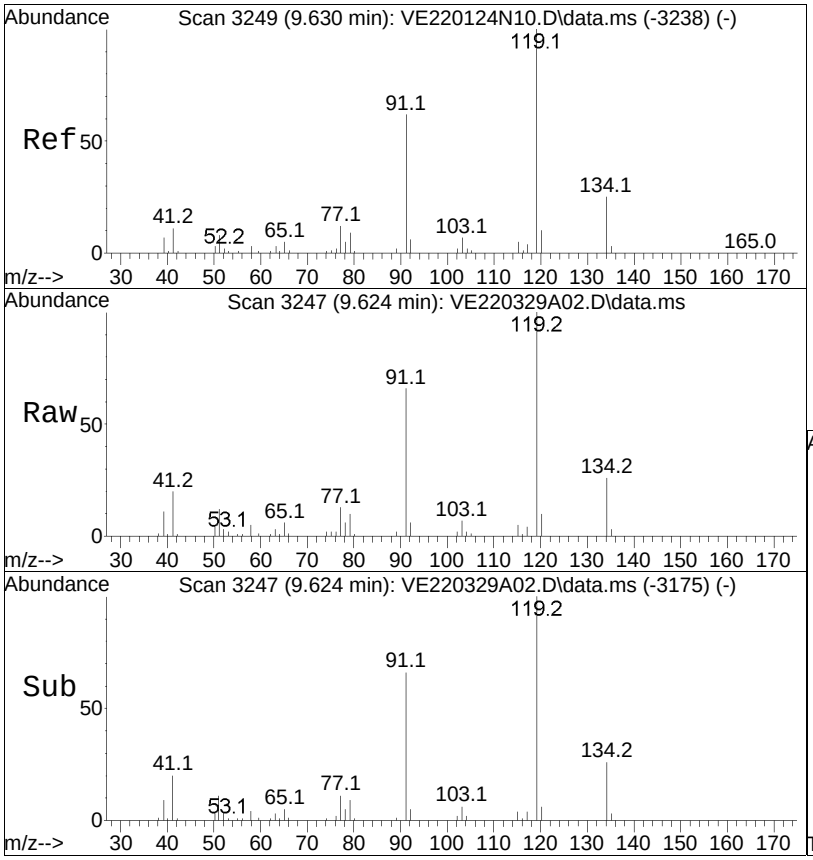


#93
4-Chlorotoluene
Concen: 10.24 ug/L
RT: 9.499 min Scan# 3202
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 91 Resp: 118801

Ion	Ratio	Lower	Upper
91	100		
126	35.3	24.6	36.8

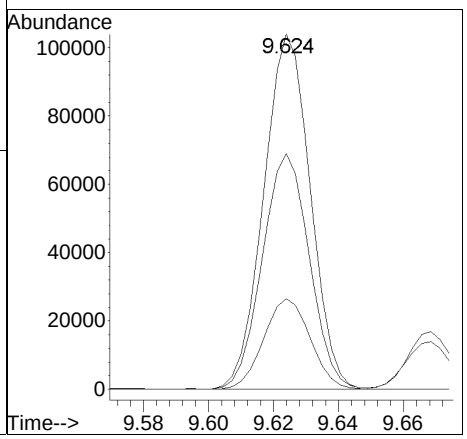


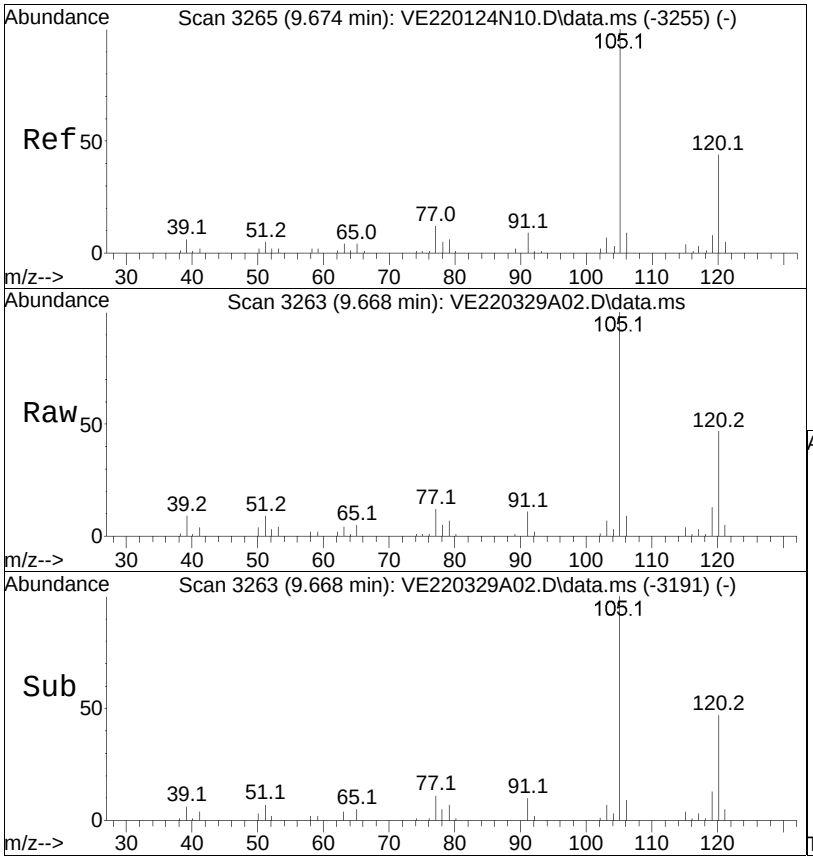


#94
tert-Butylbenzene
Concen: 10.85 ug/L
RT: 9.624 min Scan# 3247
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:119 Resp: 103688

Ion	Ratio	Lower	Upper
119	100		
91	67.1	51.4	77.2
134	25.5	18.3	27.5

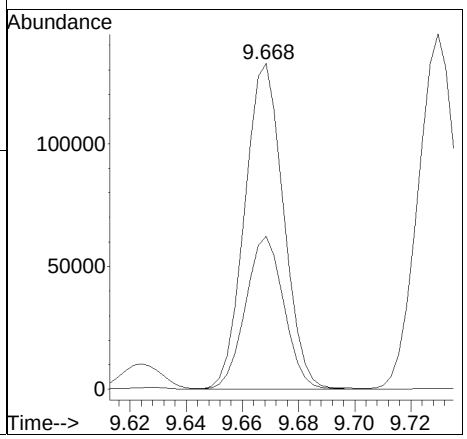


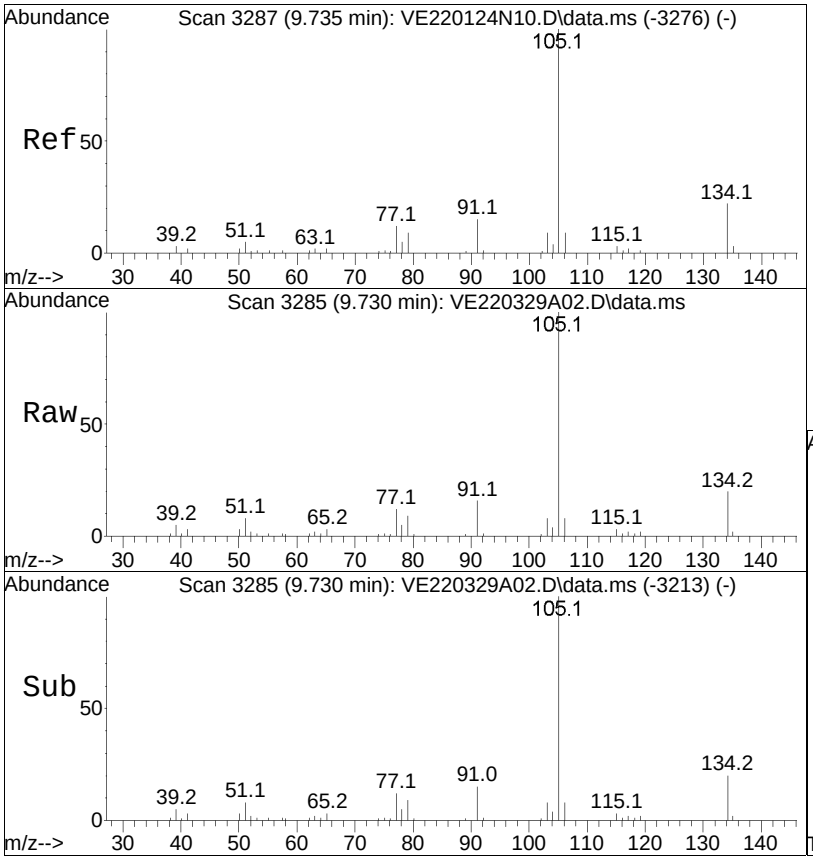


#97
1,2,4-Trimethylbenzene
Concen: 10.50 ug/L
RT: 9.668 min Scan# 3263
Delta R.T. -0.001 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:105 Resp: 127798

Ion	Ratio	Lower	Upper
105	100		
120	46.1	33.4	50.0

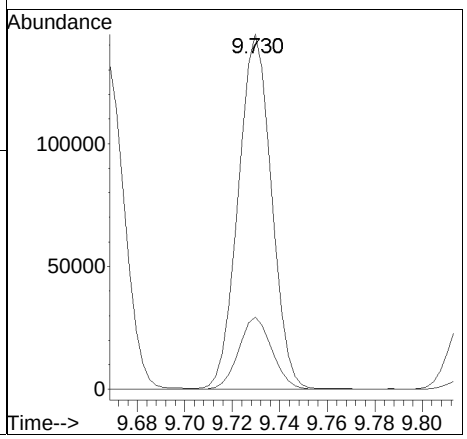


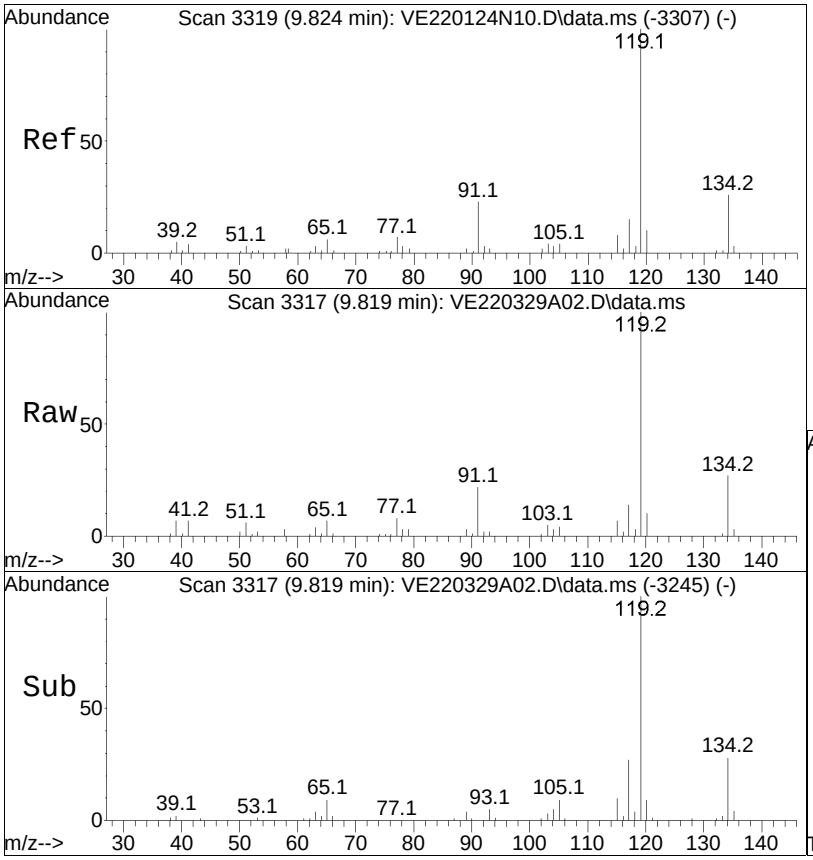


#98
sec-Butylbenzene
Concen: 11.07 ug/L
RT: 9.730 min Scan# 3285
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:105 Resp: 140324

Ion	Ratio	Lower	Upper
105	100		
134	20.3	12.5	26.1

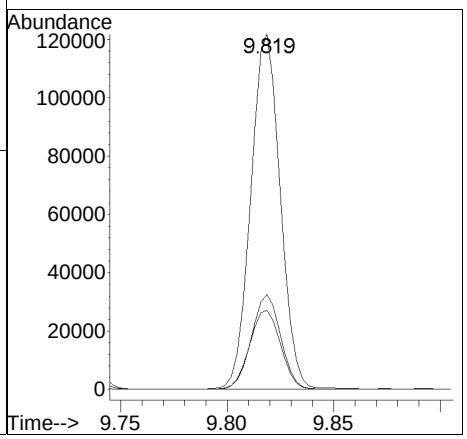


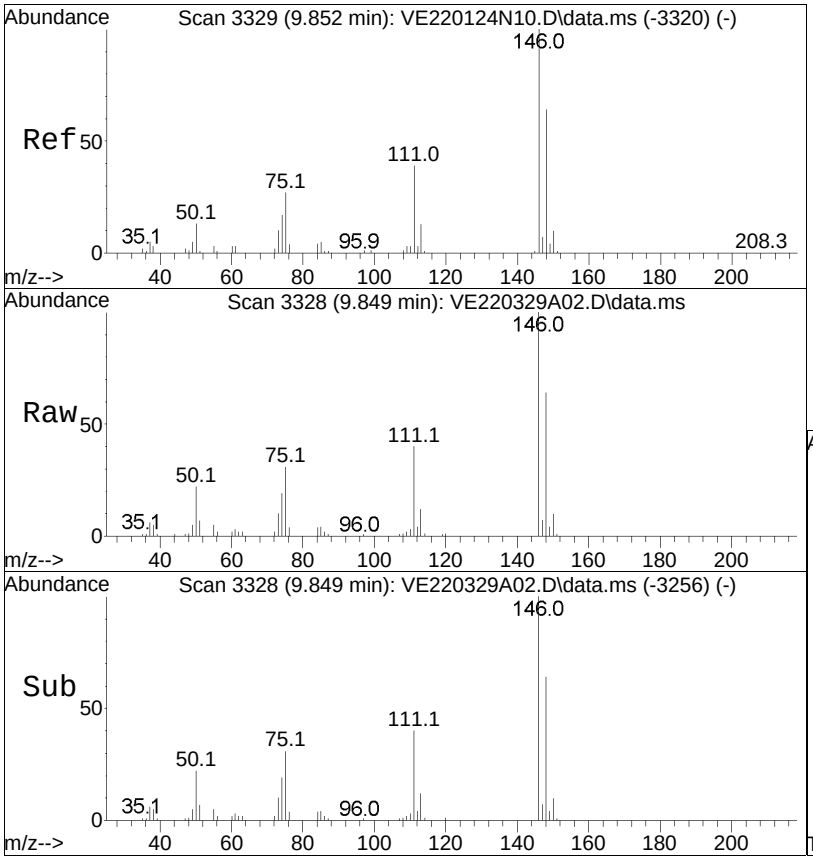


#99
p-Isopropyltoluene
Concen: 10.17 ug/L
RT: 9.819 min Scan# 3317
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:119 Resp: 117235

Ion	Ratio	Lower	Upper
119	100		
134	26.5	16.1	33.3
91	23.4	17.3	35.9

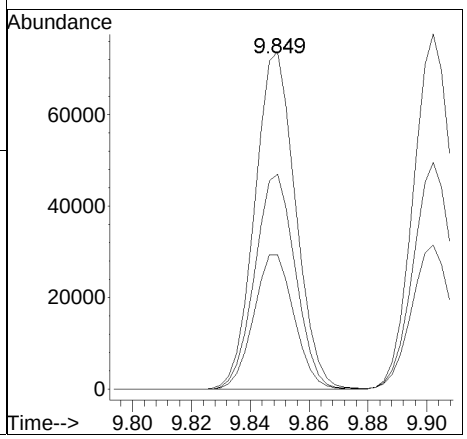


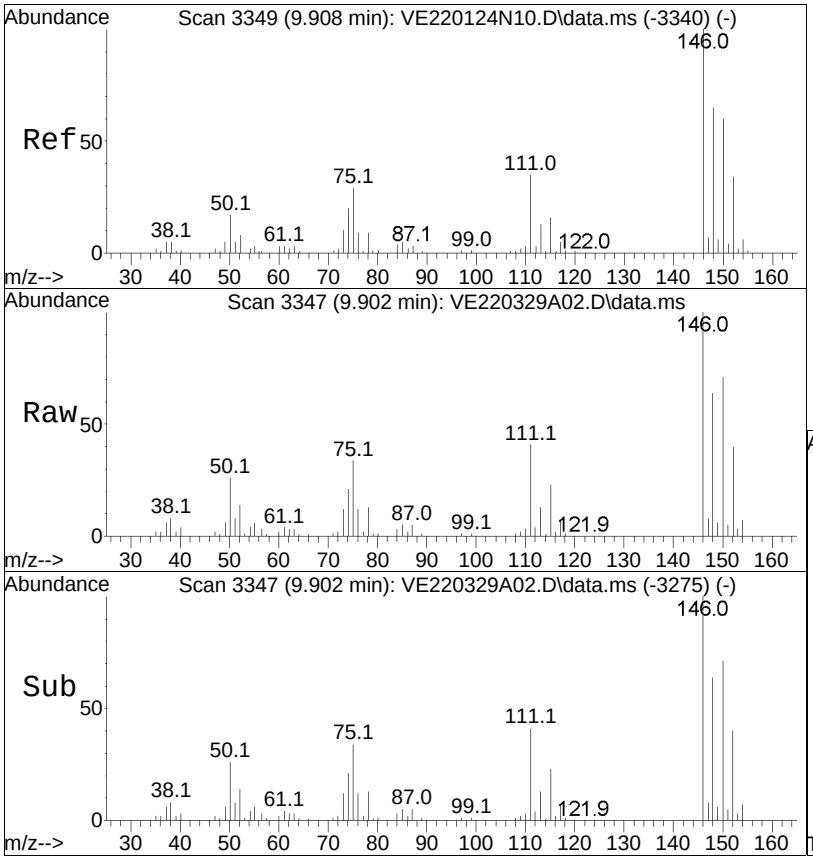


#100
1,3-Dichlorobenzene
Concen: 10.38 ug/L
RT: 9.849 min Scan# 3328
Delta R.T. 0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:146 Resp: 71172

Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.5	57.1
148	63.5	41.9	86.9

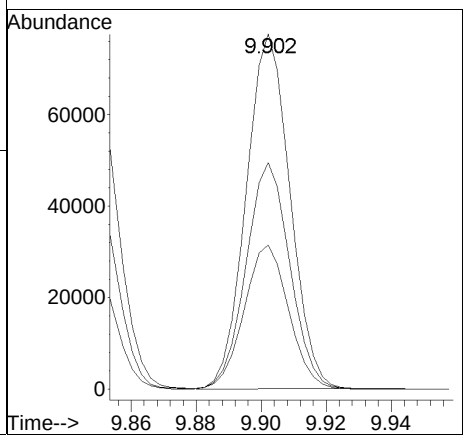


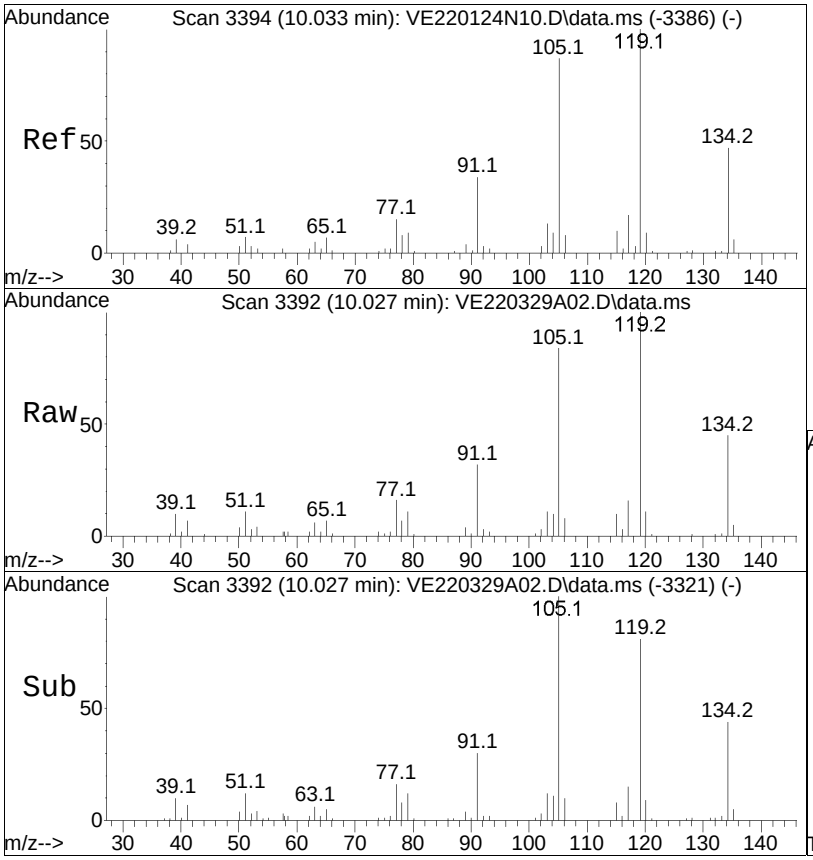


#101
1,4-Dichlorobenzene
Concen: 10.43 ug/L
RT: 9.902 min Scan# 3347
Delta R.T. 0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:146 Resp: 72553

Ion	Ratio	Lower	Upper
146	100		
111	41.6	32.3	48.5
148	64.3	49.9	74.9

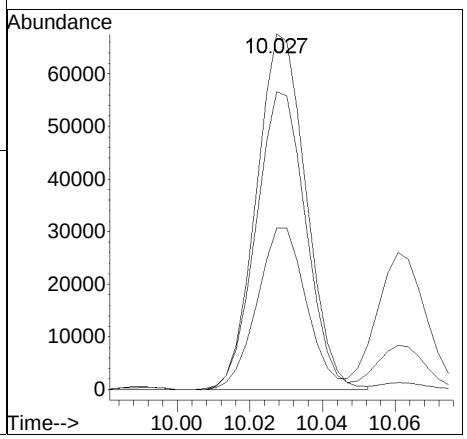


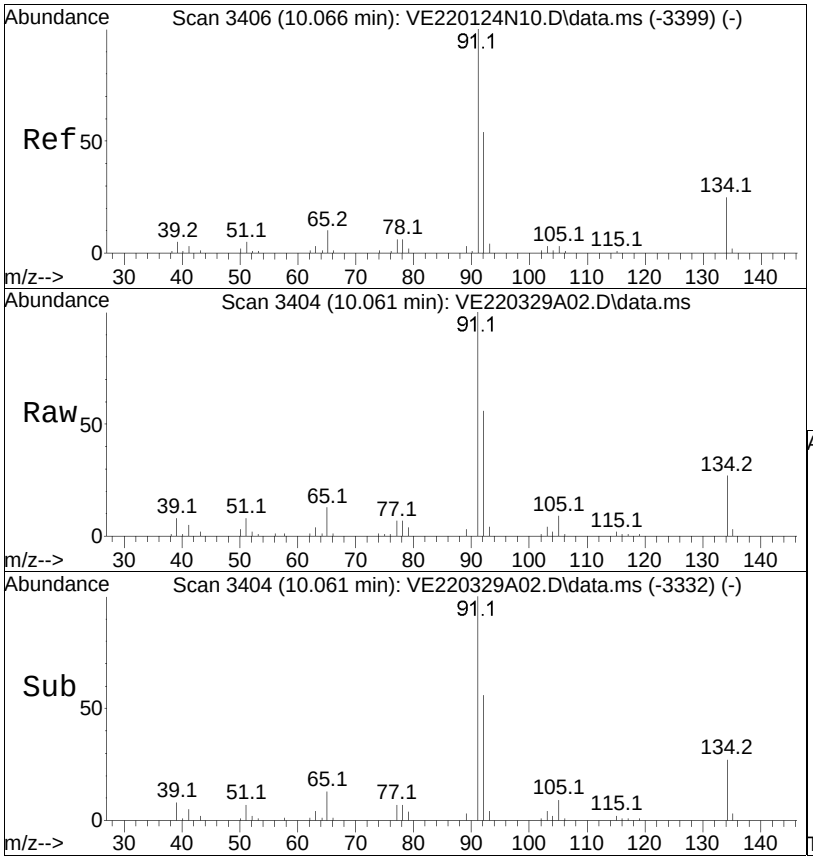


#102
p-Diethylbenzene
Concen: 10.04 ug/L
RT: 10.027 min Scan# 3392
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:119 Resp: 64058

Ion	Ratio	Lower	Upper
119	100		
105	84.1	59.5	123.7
134	45.4	30.2	62.6

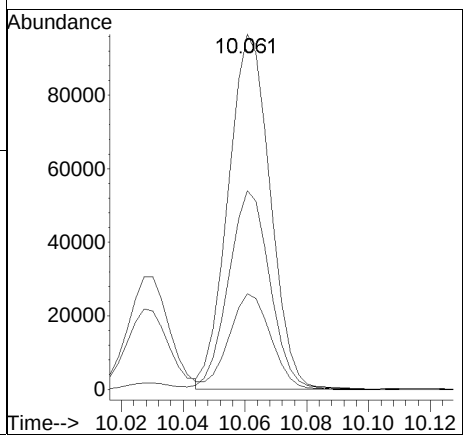


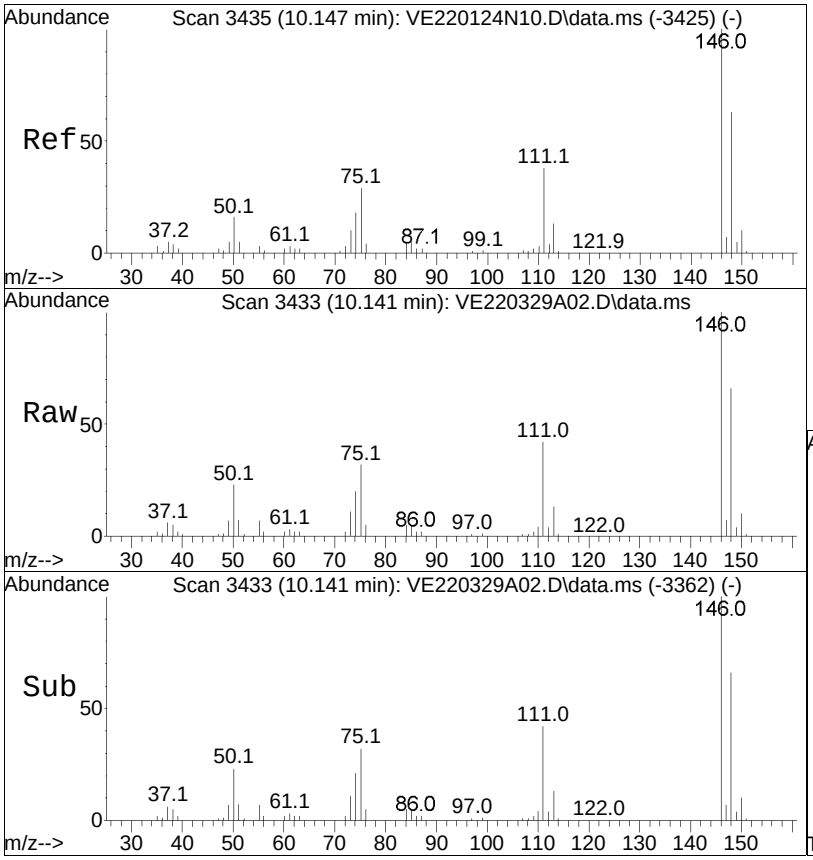


#103
n-Butylbenzene
Concen: 10.17 ug/L
RT: 10.061 min Scan# 3404
Delta R.T. -0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion: 91 Resp: 91174

Ion	Ratio	Lower	Upper
91	100		
92	55.3	43.0	64.4
134	26.5	19.6	29.4

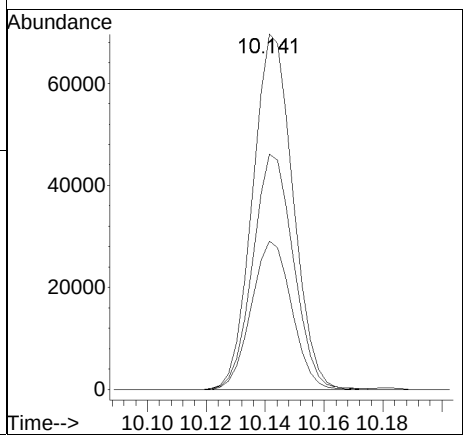


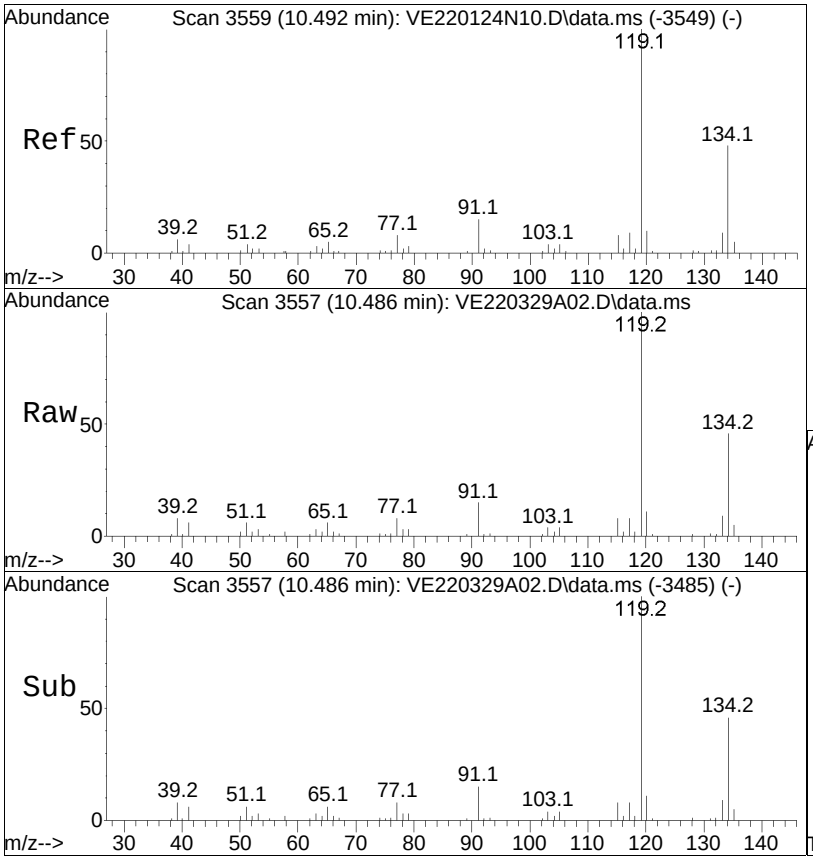


#104
1,2-Dichlorobenzene
Concen: 9.97 ug/L
RT: 10.141 min Scan# 3433
Delta R.T. -0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:146 Resp: 66412

Ion	Ratio	Lower	Upper
146	100		
111	41.7	28.3	58.7
148	66.6	42.3	87.8

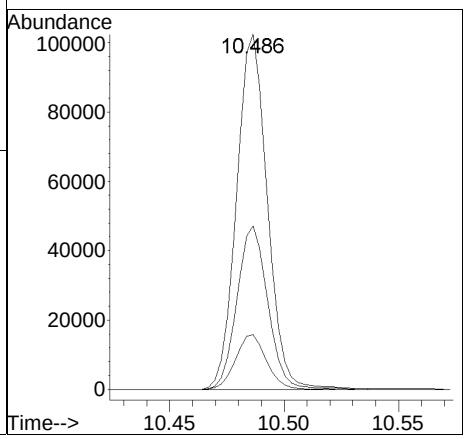


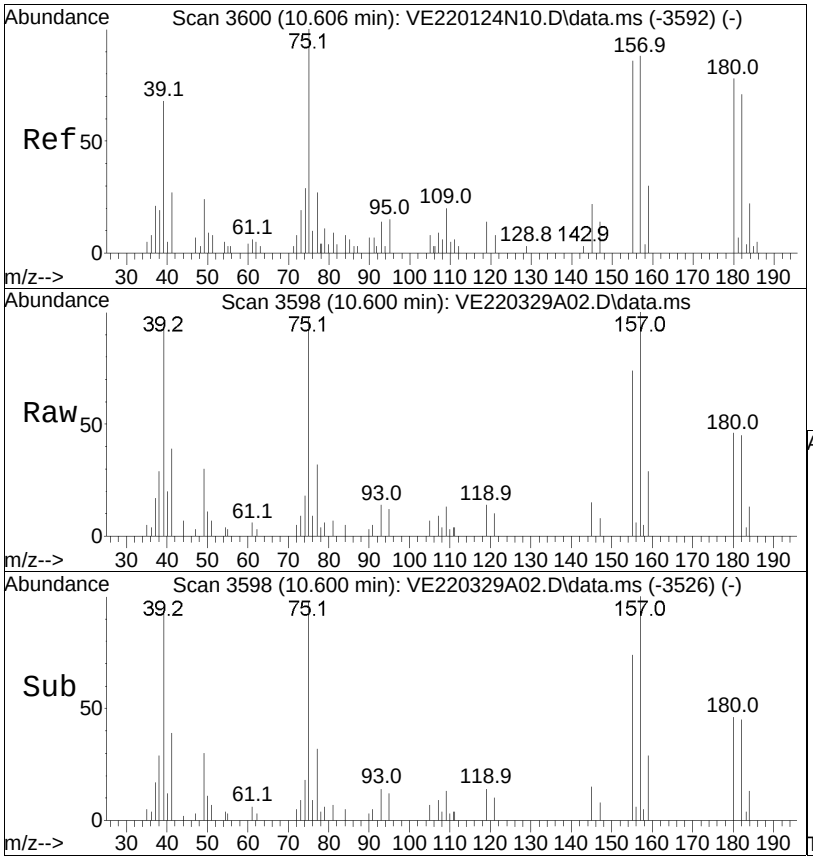


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.42 ug/L
RT: 10.486 min Scan# 3557
Delta R.T. -0.001 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:119 Resp: 95759

Ion	Ratio	Lower	Upper
119	100		
134	46.1	30.5	63.3
91	15.4	12.4	25.7

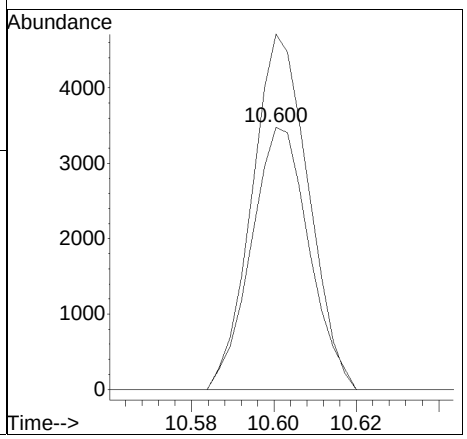


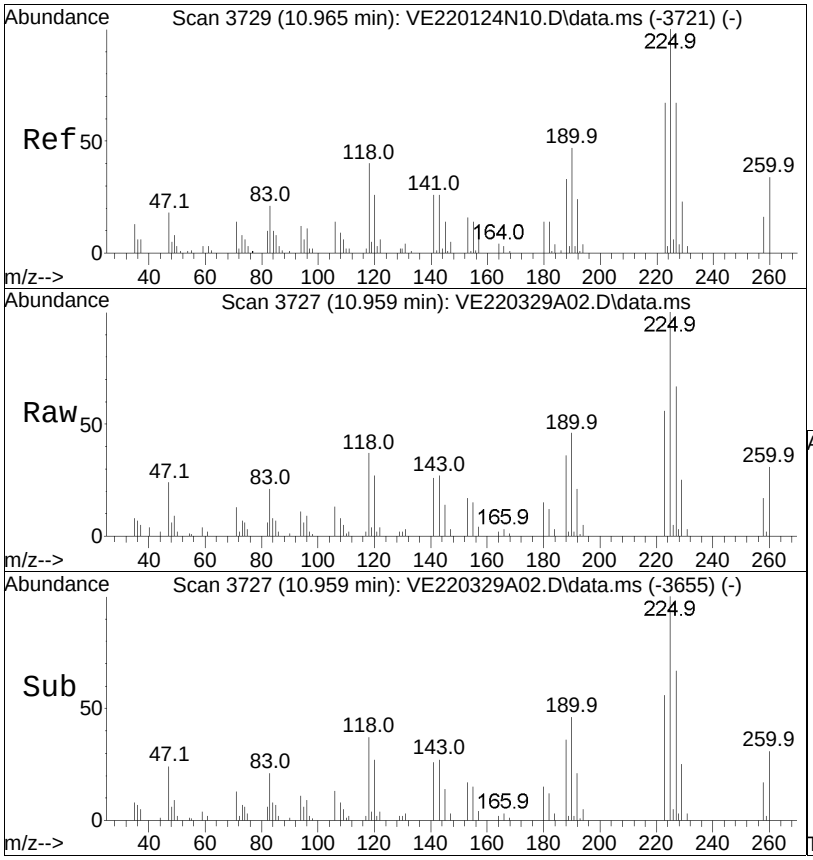


#106
1,2-Dibromo-3-chloropropane
Concen: 8.36 ug/L
RT: 10.600 min Scan# 3598
Delta R.T. -0.001 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:155 Resp: 3390

Ion	Ratio	Lower	Upper
155	100		
157	132.0	94.8	142.2

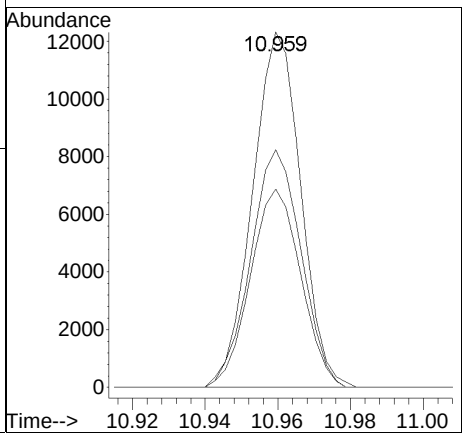


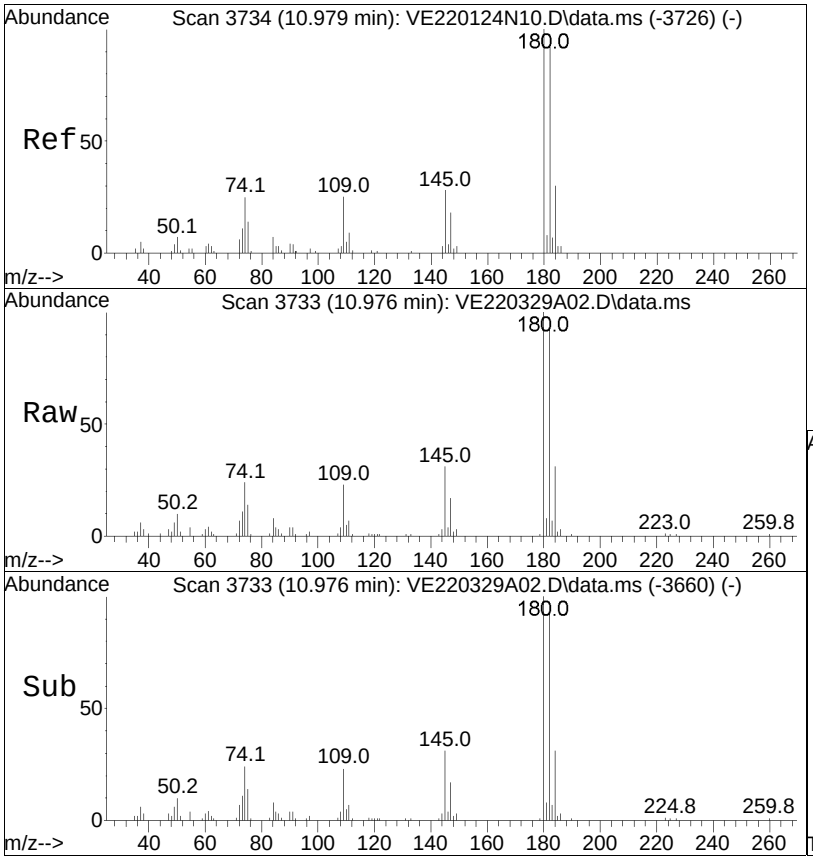


#108
Hexachlorobutadiene
Concen: 10.45 ug/L
RT: 10.959 min Scan# 3727
Delta R.T. -0.001 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:225 Resp: 11335

Ion	Ratio	Lower	Upper
225	100		
223	58.6	54.3	81.5
227	70.2	52.4	78.6

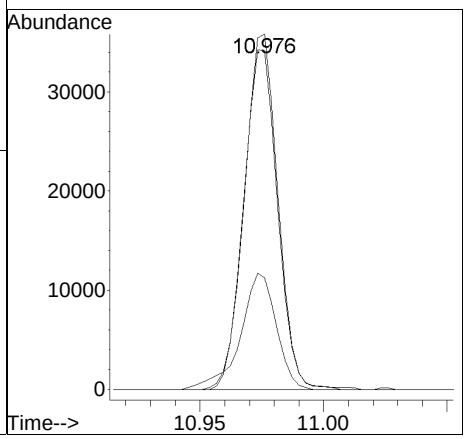


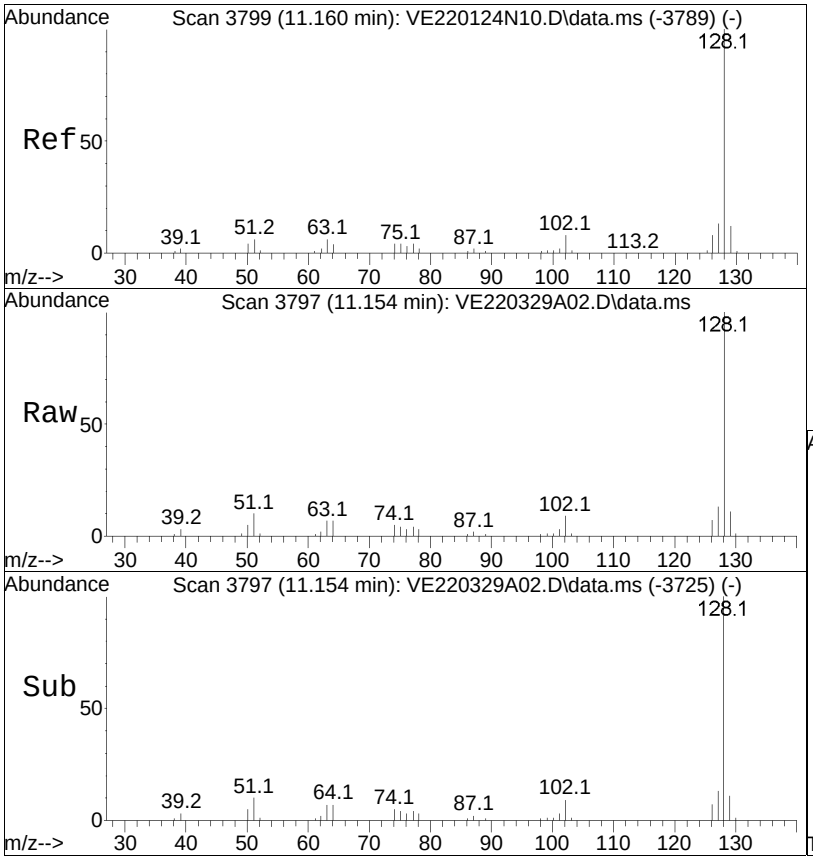


#109
1,2,4-Trichlorobenzene
Concen: 9.11 ug/L
RT: 10.976 min Scan# 3733
Delta R.T. 0.003 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:180 Resp: 33875

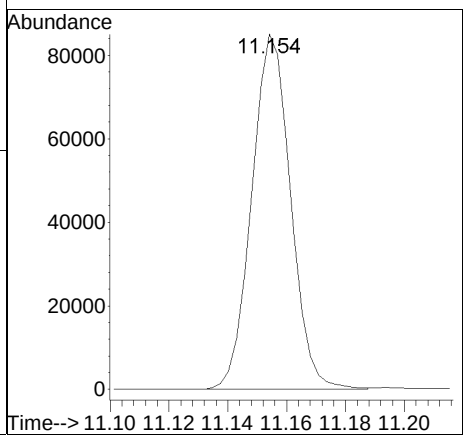
Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.3	115.9
145	34.8	28.1	42.1

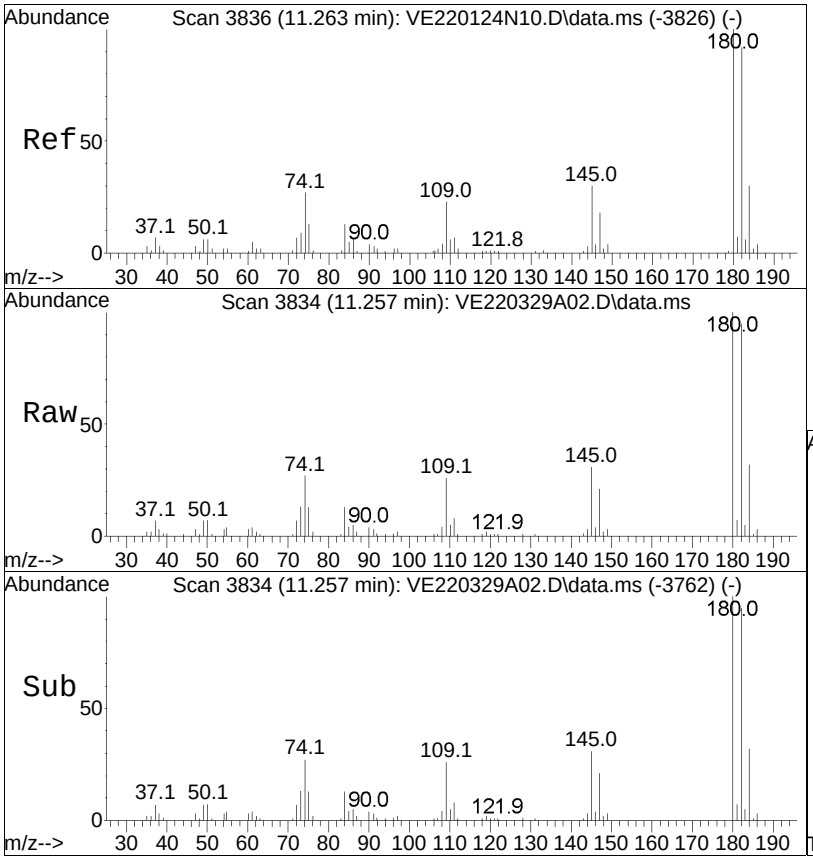




#110
Naphthalene
Concen: 8.16 ug/L
RT: 11.154 min Scan# 3797
Delta R.T. 0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:128 Resp: 78124

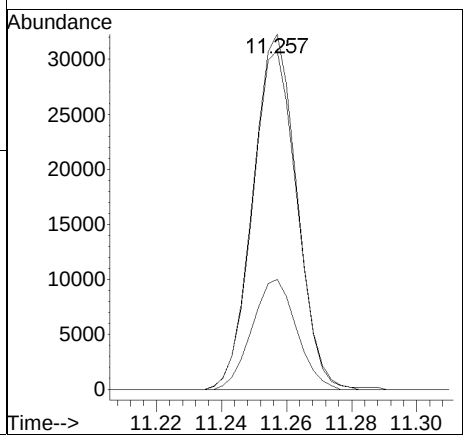




#111
1,2,3-Trichlorobenzene
Concen: 8.85 ug/L
RT: 11.257 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VE220329A02.D
Acq: 29 Mar 2022 7:10 am

Tgt Ion:180 Resp: 30253

Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.4	114.6
145	31.5	26.4	39.6



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A27.D
Acq On : 23 Mar 2022 08:03 pm
Operator : VOA122:KJD
Sample : WG1619277-6,31,10,10,,A1
Misc : WG1619277,ICAL18716
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 24 10:49:01 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.602	96	242629	10.000	ug/L		0.00
Standard Area 1 = 208471			Recovery = 116.39%				
62) Chlorobenzene-d5	9.107	117	213219	10.000	ug/L		0.00
Standard Area 1 = 173941			Recovery = 122.58%				
83) 1,4-Dichlorobenzene-d4	11.908	152	122996	10.000	ug/L		0.00
Standard Area 1 = 105828			Recovery = 116.22%				
System Monitoring Compounds							
38) Dibromofluoromethane	4.802	113	83561	10.899	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.99%				
46) 1,2-Dichloroethane-d4	5.314	65	79443	10.564	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.64%				
63) Toluene-d8	7.276	98	255267	9.708	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.08%				
87) 4-Bromofluorobenzene	10.646	95	100936	9.087	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.87%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.449	85	68080	10.639	ug/L		98
3) Chloromethane	1.630	50	69681	11.552	ug/L		98
4) Vinyl chloride	1.679	62	96842	15.512	ug/L		99
5) Bromomethane	1.951	94	12857	5.274	ug/L		97
6) Chloroethane	2.063	64	82990	20.958	ug/L		95
7) Trichlorofluoromethane	2.188	101	125132	13.556	ug/L		99
8) Ethyl ether	2.467	74	25455	10.214	ug/L	#	1
10) 1,1-Dichloroethene	2.648	96	68582	13.387	ug/L		83
11) Carbon disulfide	2.676	76	166501	12.108	ug/L		99
15) Methylene chloride	3.164	84	70357	12.114	ug/L		79
17) Acetone	3.206	43	12427	12.172	ug/L		100
18) trans-1,2-Dichloroethene	3.310	96	72811	13.161	ug/L		89
21) Methyl tert-butyl ether	3.401	73	90053	8.947	ug/L		91
25) 1,1-Dichloroethane	3.875	63	135719	13.211	ug/L		97
27) Acrylonitrile	3.917	53	15083	11.738	ug/L		95
29) Vinyl acetate	4.105	43	68030	9.414	ug/L	#	93
30) cis-1,2-Dichloroethene	4.377	96	83419	13.370	ug/L		89
31) 2,2-Dichloropropane	4.475	77	83782	10.868	ug/L		88
32) Bromochloromethane	4.558	128	35479	12.388	ug/L	#	84
34) Chloroform	4.635	83	125286	11.631	ug/L	#	96

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A27.D
Acq On : 23 Mar 2022 08:03 pm
Operator : VOA122:KJD
Sample : WG1619277-6,31,10,10,,A1
Misc : WG1619277,ICAL18716
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 24 10:49:01 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	4.760	117	102740	12.927	ug/L		99
39) 1,1,1-Trichloroethane	4.830	97	109461	12.103	ug/L		96
41) 2-Butanone	4.921	43	15825	11.434	ug/L	#	80
42) 1,1-Dichloropropene	4.949	75	87994	12.278	ug/L		99
44) Benzene	5.189	78	223212	11.863	ug/L		95
47) 1,2-Dichloroethane	5.388	62	78213	11.615	ug/L		99
51) Trichloroethene	5.772	95	64444	12.294	ug/L		97
53) Dibromomethane	6.193	93	23727	11.784	ug/L		88
54) 1,2-Dichloropropane	6.311	63	55659	11.706	ug/L		97
57) Bromodichloromethane	6.377	83	79604	11.156	ug/L		99
60) 1,4-Dioxane	6.591	88	15145	455.669	ug/L	#	77
61) cis-1,3-Dichloropropene	7.069	75	69360	9.954	ug/L	#	91
64) Toluene	7.335	92	150513	10.923	ug/L		100
65) 4-Methyl-2-pentanone	7.777	58	11499	10.137	ug/L		86
66) Tetrachloroethene	7.777	166	89682	13.788	ug/L		96
68) trans-1,3-Dichloropropene	7.814	75	54853	7.509	ug/L		90
71) 1,1,2-Trichloroethane	7.998	83	29608	9.371	ug/L		98
72) Chlorodibromomethane	8.197	129	36923	10.136	ug/L		96
73) 1,3-Dichloropropane	8.314	76	63531	9.741	ug/L		99
74) 1,2-Dibromoethane	8.473	107	37375	9.475	ug/L		97
76) 2-Hexanone	8.782	43	19630	8.398	ug/L		90
77) Chlorobenzene	9.123	112	175384	11.034	ug/L		89
78) Ethylbenzene	9.171	91	307476	11.064	ug/L		98
79) 1,1,1,2-Tetrachloroethane	9.211	131	50033	9.168	ug/L		98
80) p/m Xylene	9.361	106	246884	22.533	ug/L		99
81) o Xylene	9.908	106	227694	21.729	ug/L		97
82) Styrene	9.980	104	364520	21.082	ug/L		99
84) Bromoform	9.988	173	32808	9.576	ug/L		99
86) Isopropylbenzene	10.313	105	322997	10.492	ug/L		99
88) Bromobenzene	10.757	156	79369	10.957	ug/L		100
89) n-Propylbenzene	10.820	91	372348	10.452	ug/L		98
91) 1,1,2,2-Tetrachloroethane	10.908	83	48352	9.994	ug/L		98
92) 4-Ethyltoluene	10.955	105	299725	10.068	ug/L		99
93) 2-Chlorotoluene	10.987	91	247775	10.195	ug/L		98
94) 1,3,5-Trimethylbenzene	11.058	105	235631	9.417	ug/L		99
95) 1,2,3-Trichloropropane	11.050	75	38152	9.607	ug/L		99
96) trans-1,4-Dichloro-2-b...	11.114	53	9125	5.972	ug/L	#	73
97) 4-Chlorotoluene	11.177	91	219881	10.113	ug/L		98
98) tert-Butylbenzene	11.414	119	158068	8.892	ug/L		99

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A27.D
Acq On : 23 Mar 2022 08:03 pm
Operator : VOA122:KJD
Sample : WG1619277-6,31,10,10,,A1
Misc : WG1619277,ICAL18716
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 24 10:49:01 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.491	105	248575	10.110	ug/L	98
102) sec-Butylbenzene	11.609	105	301680	9.547	ug/L	100
103) p-Isopropyltoluene	11.769	119	254015	9.323	ug/L	98
104) 1,3-Dichlorobenzene	11.825	146	153197	10.519	ug/L	99
105) 1,4-Dichlorobenzene	11.922	146	152075	10.327	ug/L	99
106) p-Diethylbenzene	12.152	119	145900	9.206	ug/L	99
107) n-Butylbenzene	12.215	91	201762	9.193	ug/L	99
108) 1,2-Dichlorobenzene	12.354	146	137089	10.336	ug/L	98
109) 1,2,4,5-Tetramethylben...	12.966	119	187928	8.098	ug/L	98
110) 1,2-Dibromo-3-chloropr...	13.147	155	7921	9.586	ug/L	95
112) Hexachlorobutadiene	13.774	225	25435	8.165	ug/L	99
113) 1,2,4-Trichlorobenzene	13.788	180	67827	8.802	ug/L	100
114) Naphthalene	14.080	128	159960	9.158	ug/L	100
115) 1,2,3-Trichlorobenzene	14.254	180	55074	8.315	ug/L	100

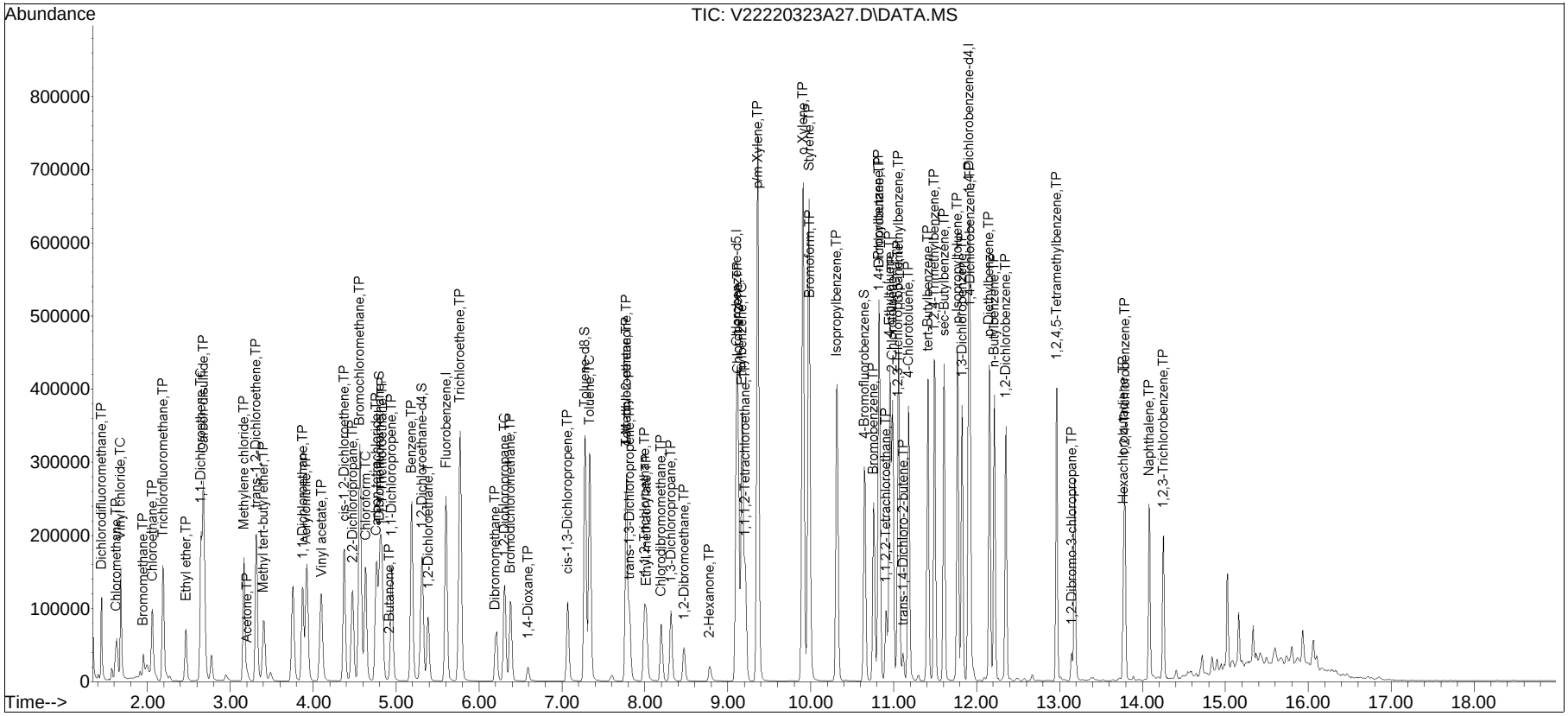
(#) = qualifier out of range (m) = manual integration (+) = signals summed

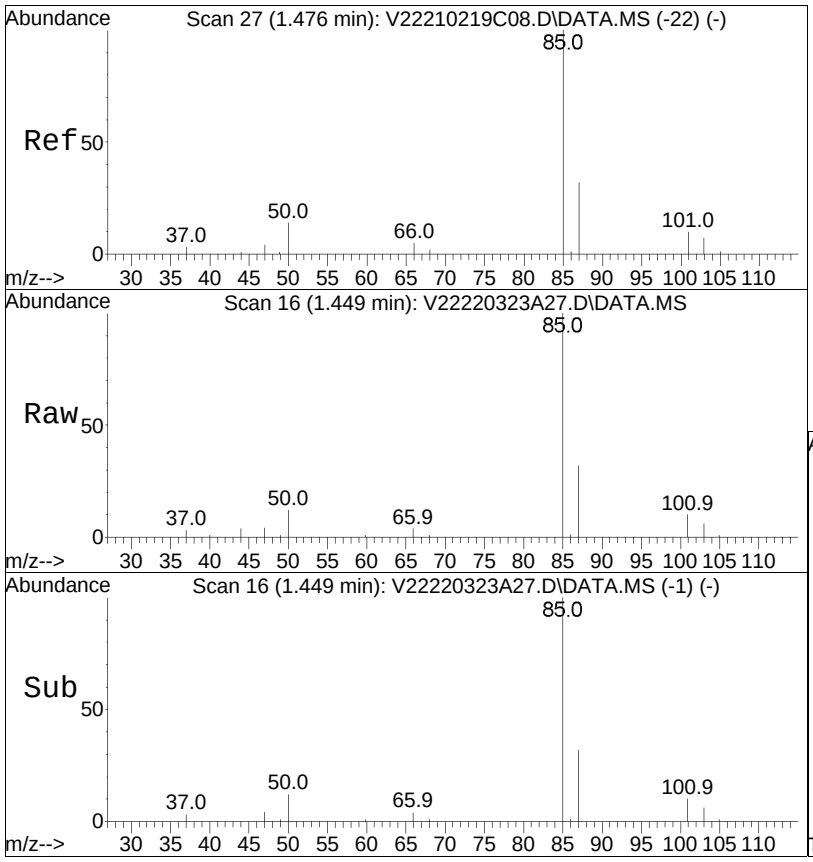
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A27.D
Acq On : 23 Mar 2022 08:03 pm
Operator : VOA122:KJD
Sample : WG1619277-6,31,10,10,,A1
Misc : WG1619277,ICAL18716
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 24 10:49:01 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20323A\\V22220323A01.D•

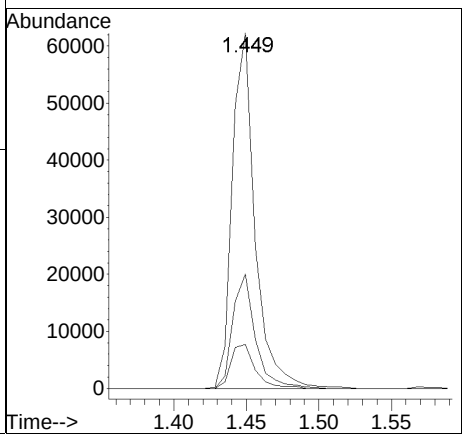


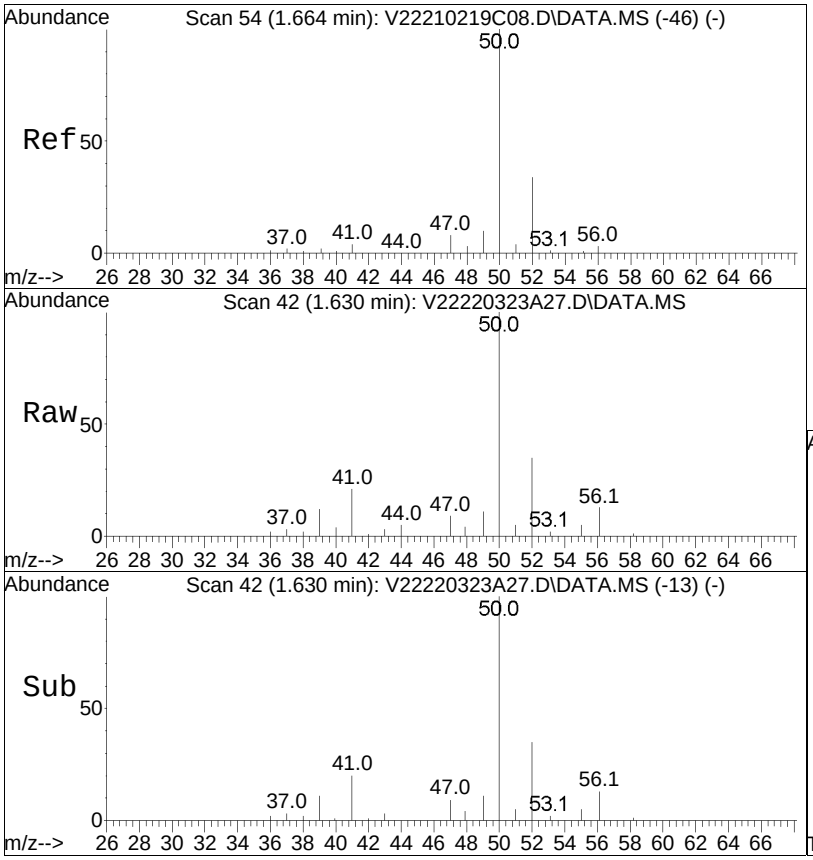


#2
Dichlorodifluoromethane
Concen: 10.64 ug/L
RT: 1.449 min Scan# 16
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 85 Resp: 68080

Ion	Ratio	Lower	Upper
85	100		
87	31.9	20.7	42.9
50	13.2	6.8	14.2

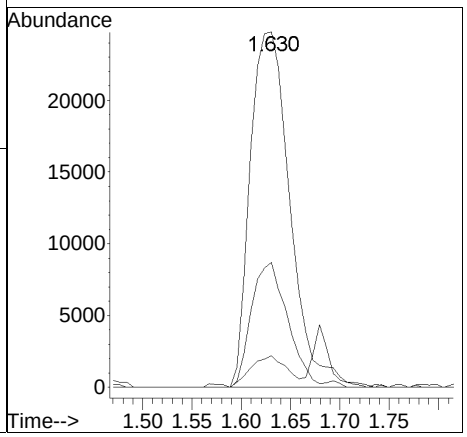


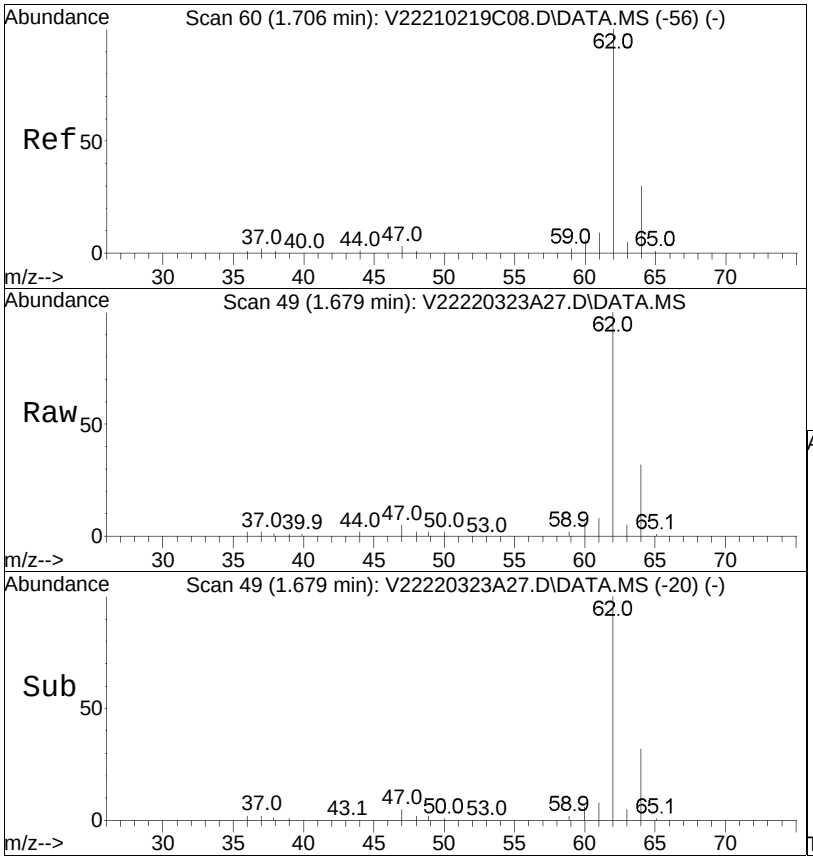


#3
Chloromethane
Concen: 11.55 ug/L
RT: 1.630 min Scan# 42
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 50 Resp: 69681

Ion	Ratio	Lower	Upper
50	100		
52	32.5	12.8	52.8
47	8.0	0.0	30.0

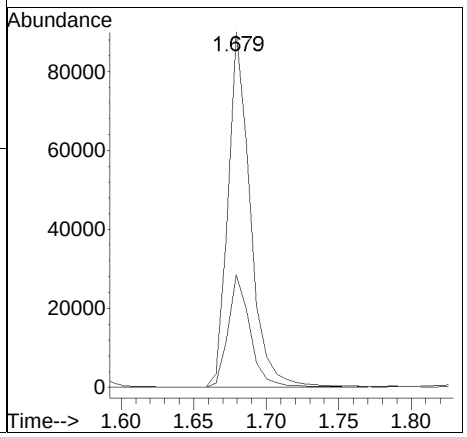


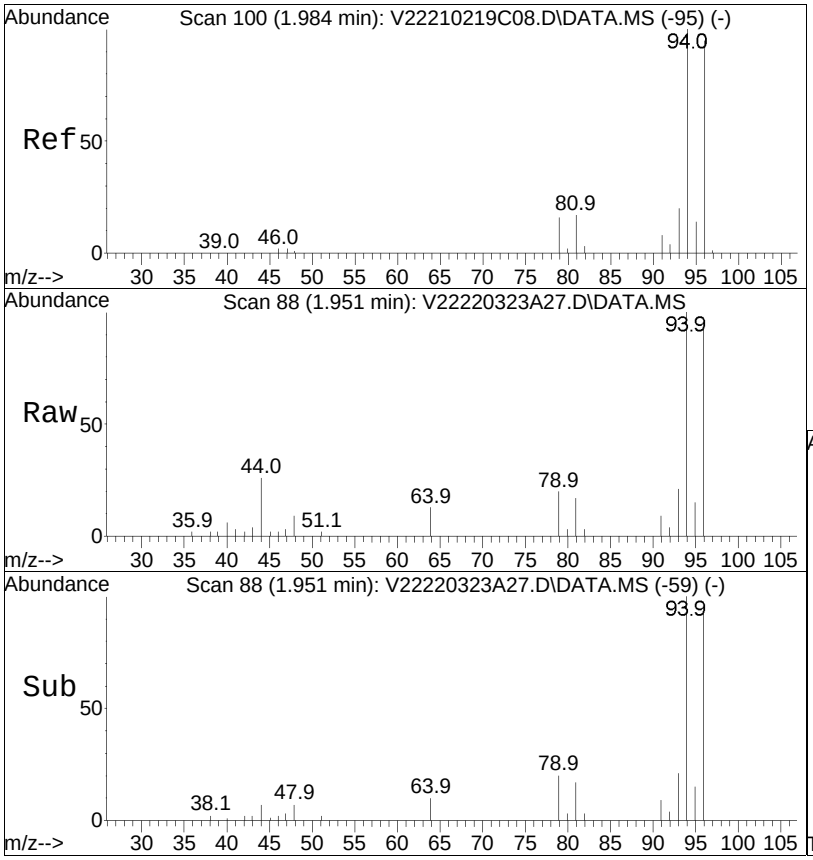


#4
Vinyl chloride
Concen: 15.51 ug/L
RT: 1.679 min Scan# 49
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 62 Resp: 96842

Ion	Ratio	Lower	Upper
62	100		
64	31.5	12.0	52.0

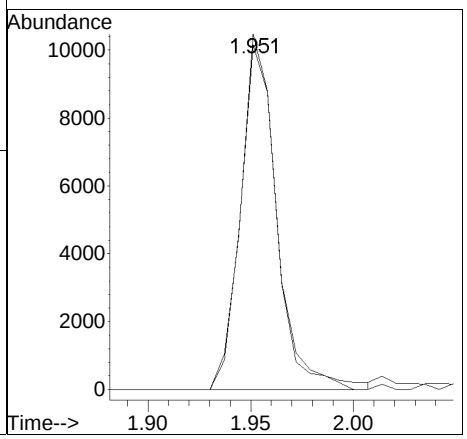


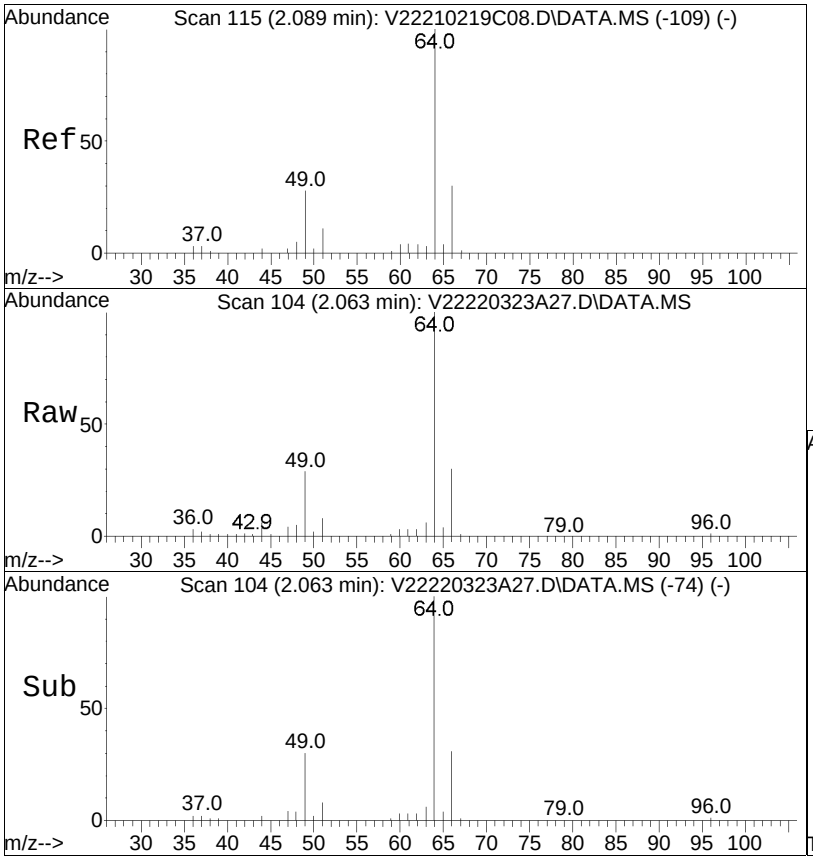


#5
Bromomethane
Concen: 5.27 ug/L
RT: 1.951 min Scan# 88
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 94 Resp: 12857

Ion	Ratio	Lower	Upper
94	100		
96	95.6	72.8	112.8

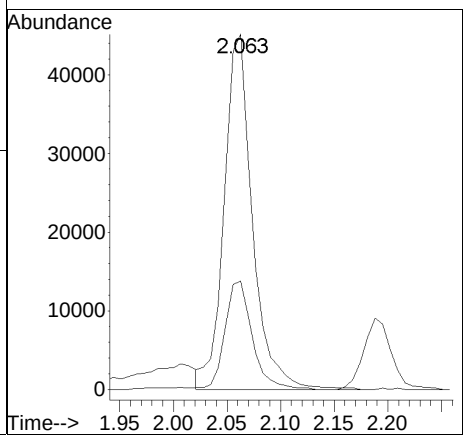


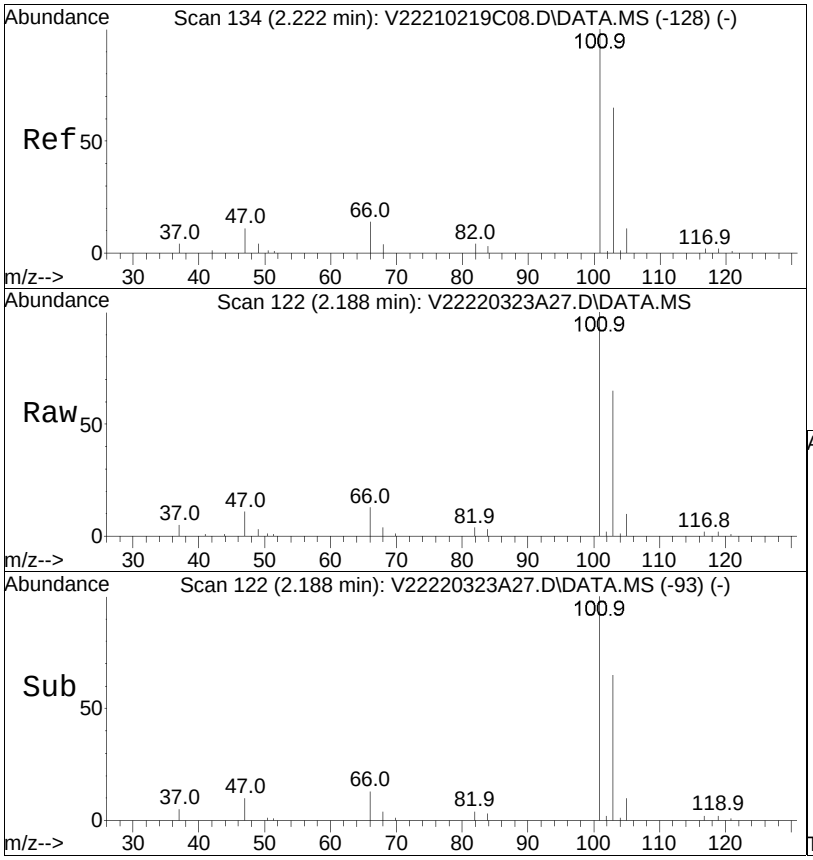


#6
Chloroethane
Concen: 20.96 ug/L
RT: 2.063 min Scan# 104
Delta R.T. 0.007 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 64 Resp: 82990

Ion	Ratio	Lower	Upper
64	100		
66	29.4	12.2	52.2

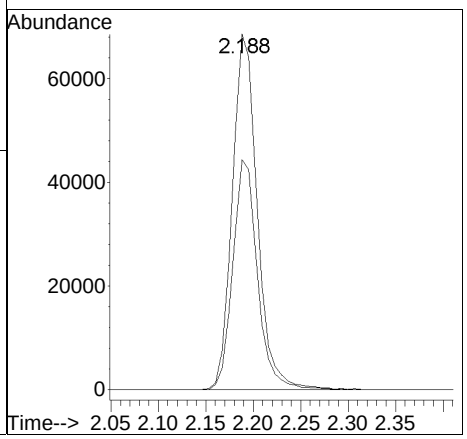


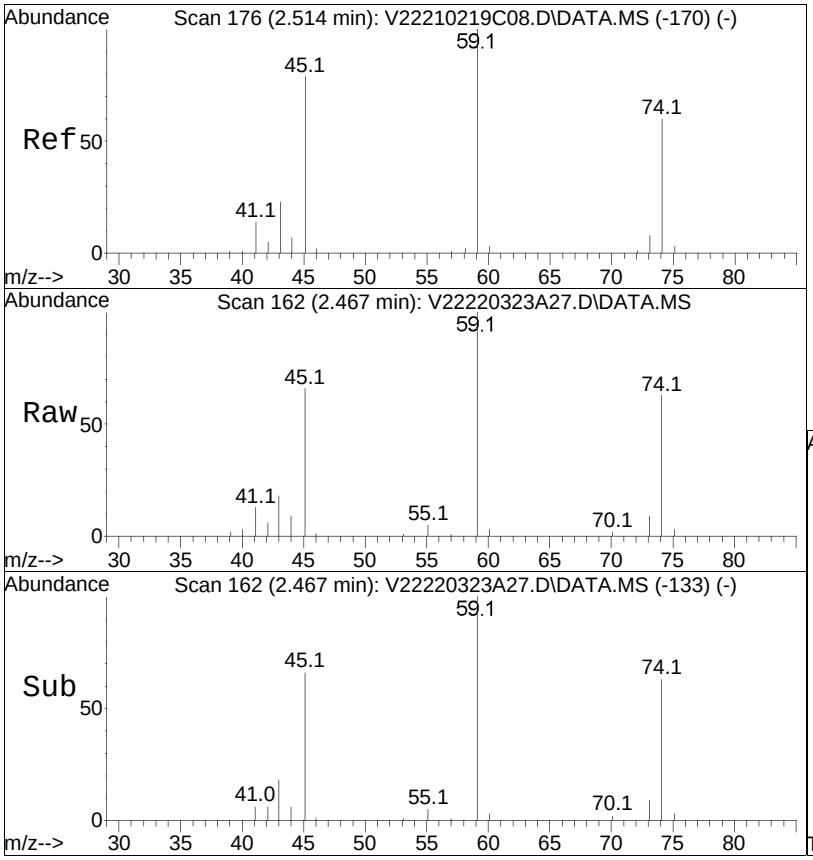


#7
Trichlorofluoromethane
Concen: 13.56 ug/L
RT: 2.188 min Scan# 122
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:101 Resp: 125132

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.6	77.4

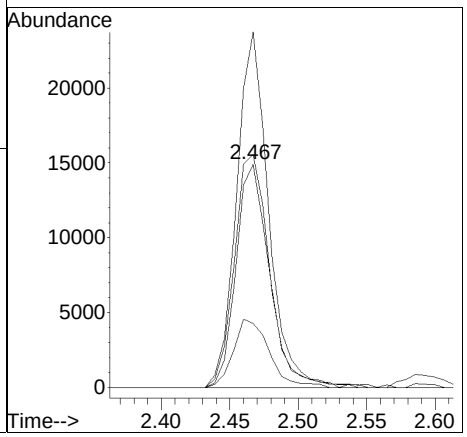


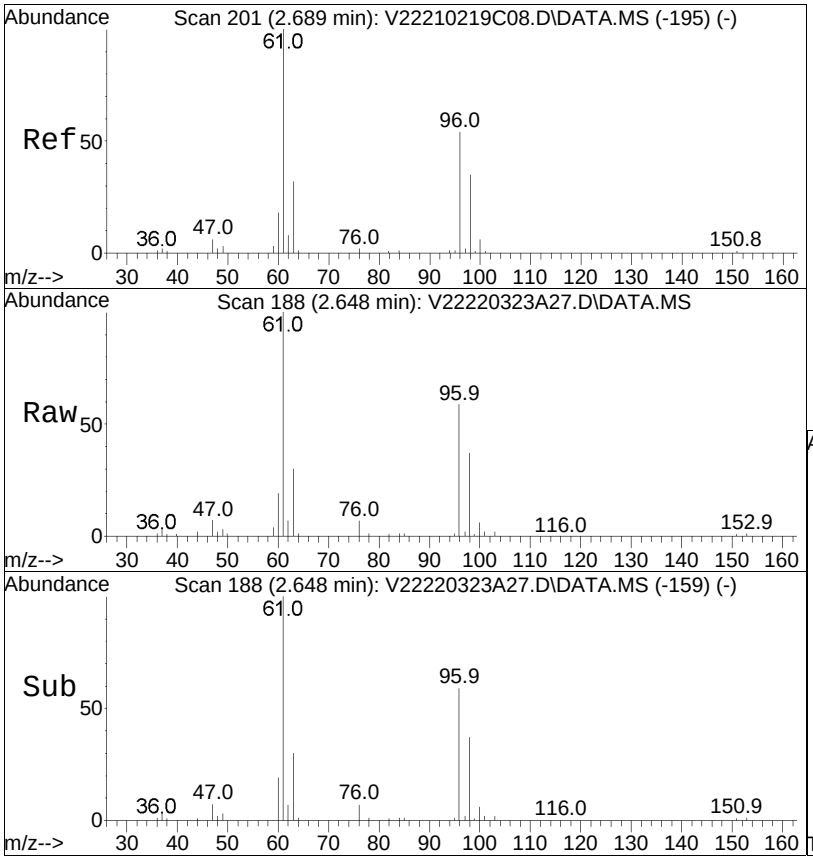


#8
Ethyl ether
Concen: 10.21 ug/L
RT: 2.467 min Scan# 162
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 74 Resp: 25455

Ion	Ratio	Lower	Upper
74	100		
59	152.3	2122.4	4408.0#
45	110.1	1435.1	2980.5#
43	32.5	407.9	847.3#

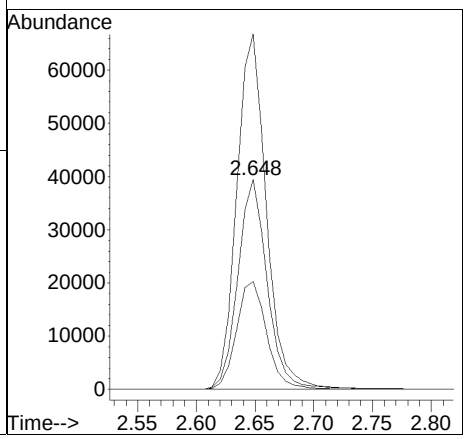


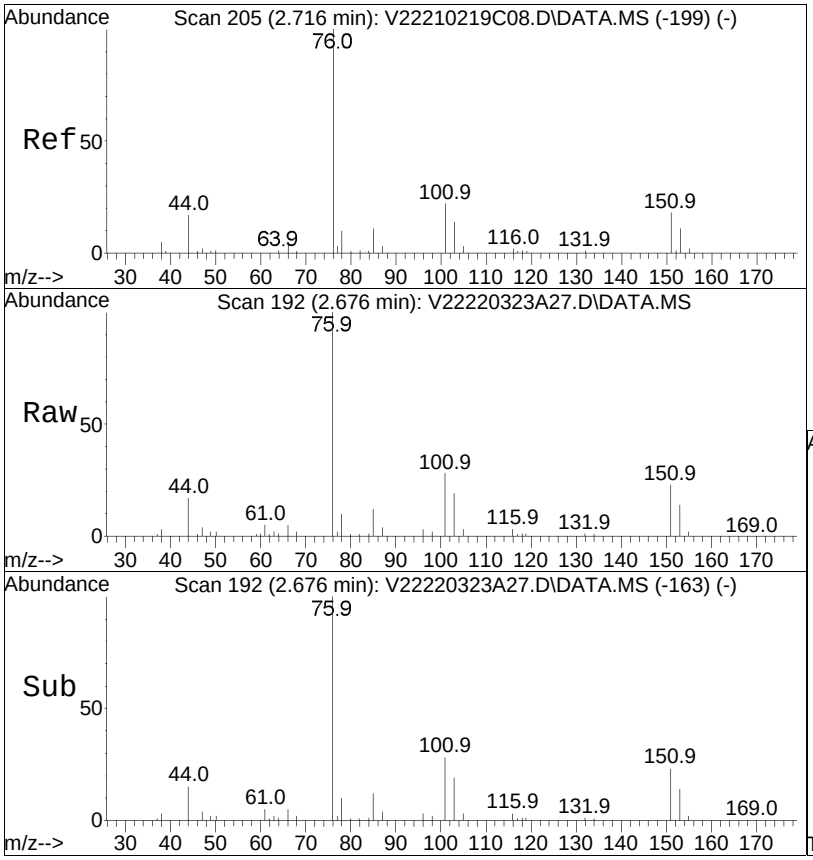


#10
1,1-Dichloroethene
Concen: 13.39 ug/L
RT: 2.648 min Scan# 188
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 96 Resp: 68582

Ion	Ratio	Lower	Upper
96	100		
61	171.3	117.0	175.4
63	53.1	37.8	56.6

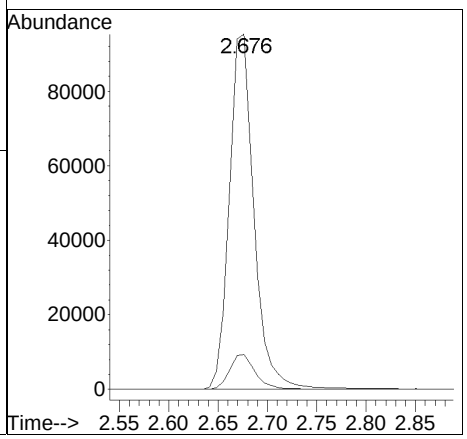


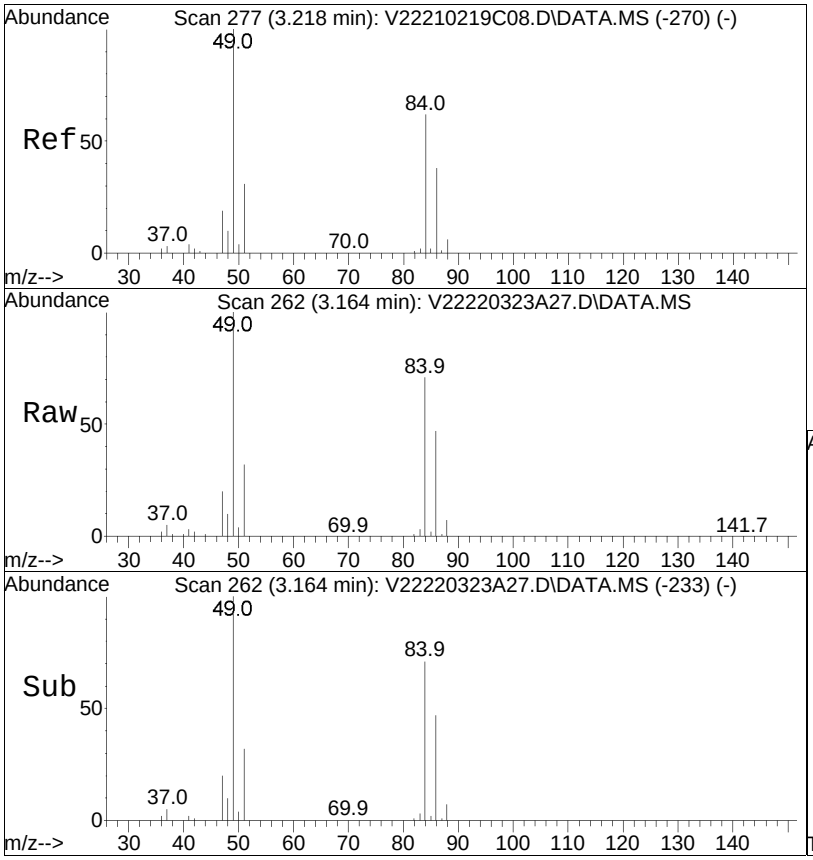


#11
Carbon disulfide
Concen: 12.11 ug/L
RT: 2.676 min Scan# 192
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 76 Resp: 166501

Ion	Ratio	Lower	Upper
76	100		
78	10.2	6.4	13.4

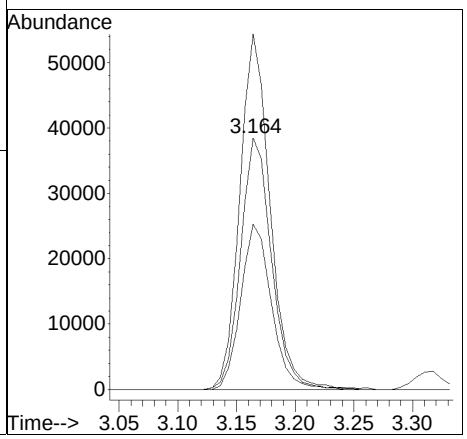


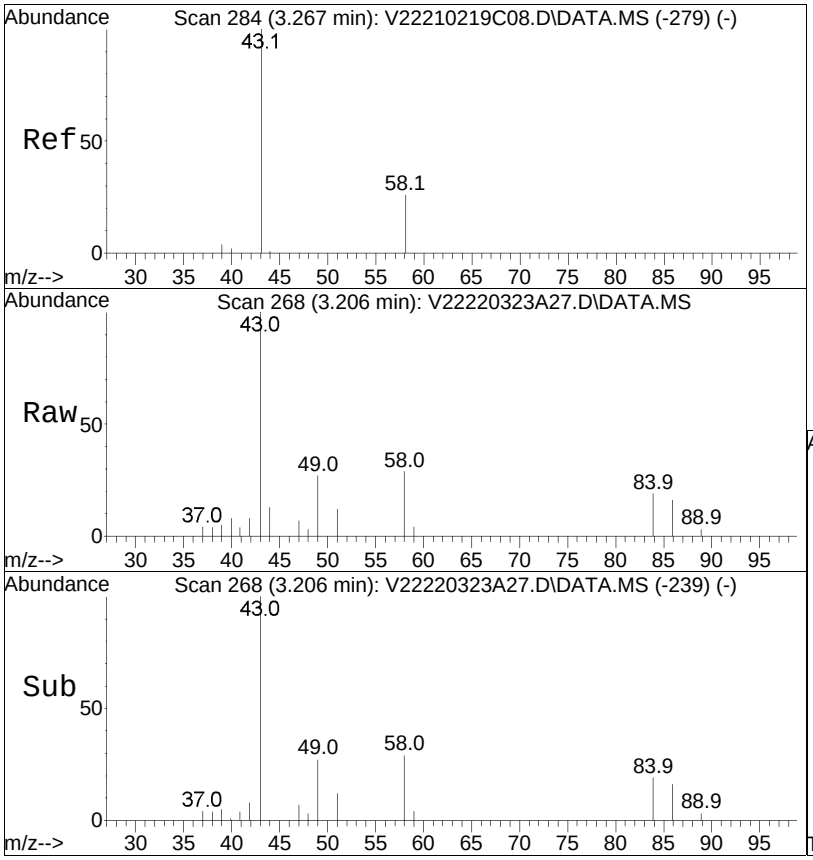


#15
Methylene chloride
Concen: 12.11 ug/L
RT: 3.164 min Scan# 262
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 84 Resp: 70357

Ion	Ratio	Lower	Upper
84	100		
86	65.5	41.5	86.3
49	138.9	68.8	143.0

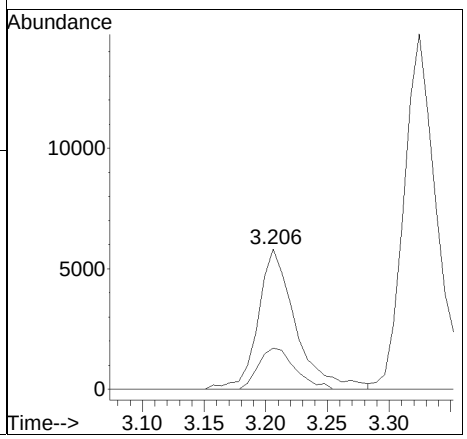


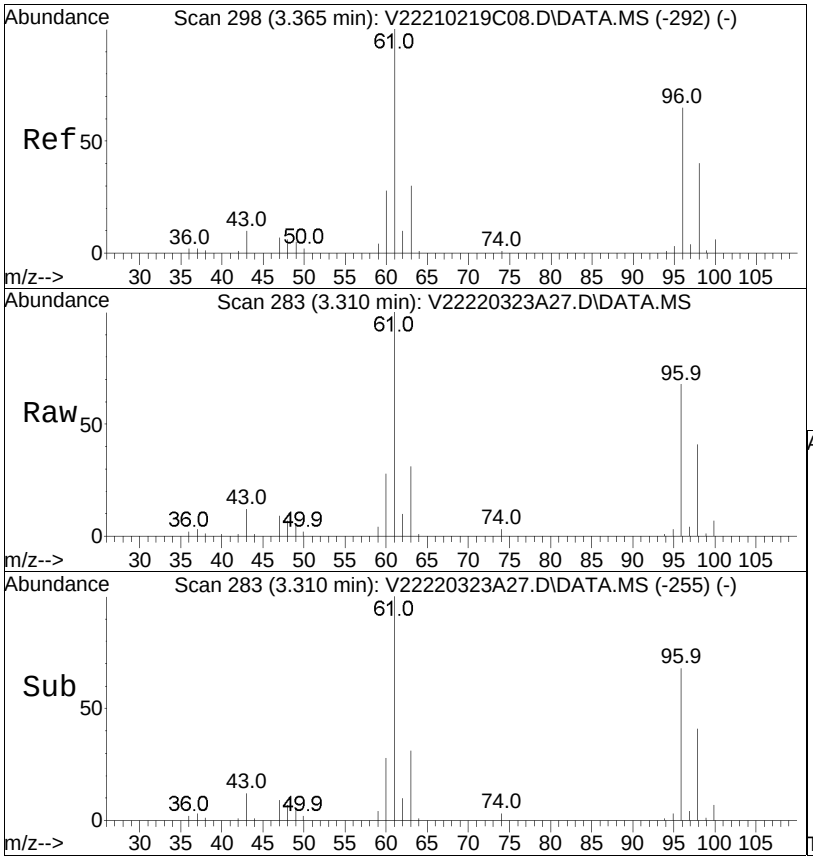


#17
Acetone
Concen: 12.17 ug/L
RT: 3.206 min Scan# 268
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 43 Resp: 12427

Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.1	34.7

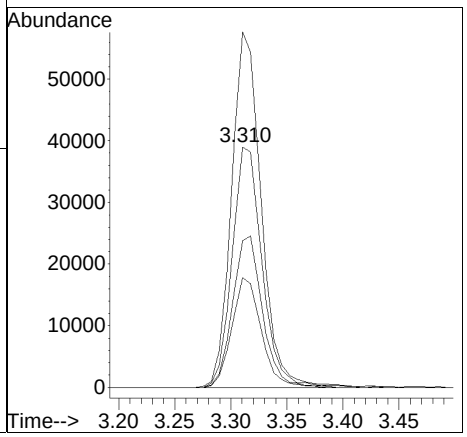


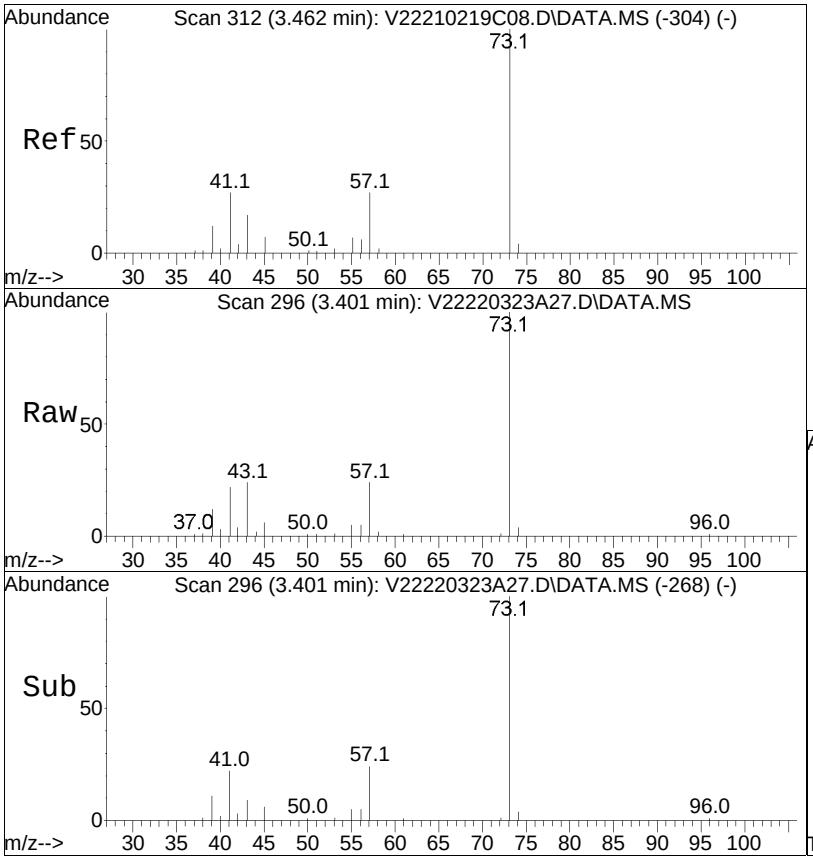


#18
trans-1,2-Dichloroethene
Concen: 13.16 ug/L
RT: 3.310 min Scan# 283
Delta R.T. -0.007 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 96 Resp: 72811

Ion	Ratio	Lower	Upper
96	100		
61	145.8	81.6	169.6
98	62.5	41.8	86.8
63	44.7	26.3	54.7

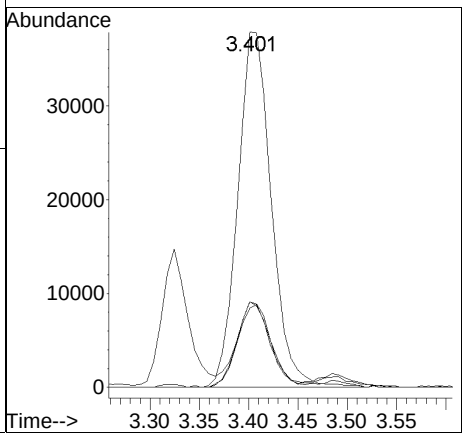


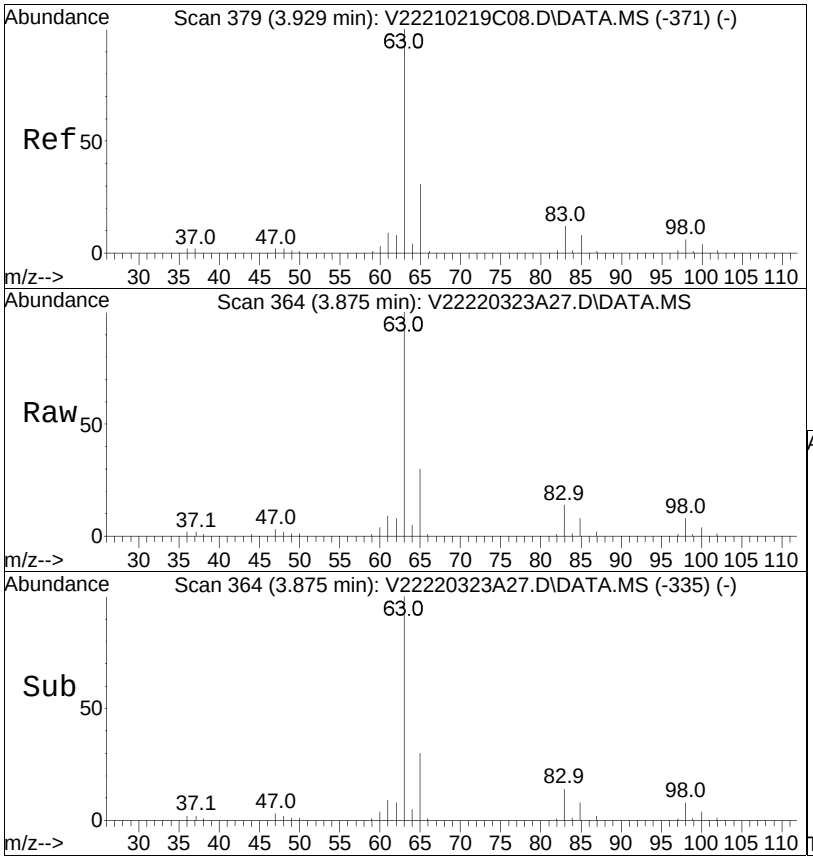


#21
Methyl tert-butyl ether
Concen: 8.95 ug/L
RT: 3.401 min Scan# 296
Delta R.T. -0.007 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 73 Resp: 90053

Ion	Ratio	Lower	Upper
73	100		
57	24.2	13.6	28.2
43	23.4	12.7	26.5
41	22.8	11.4	23.8

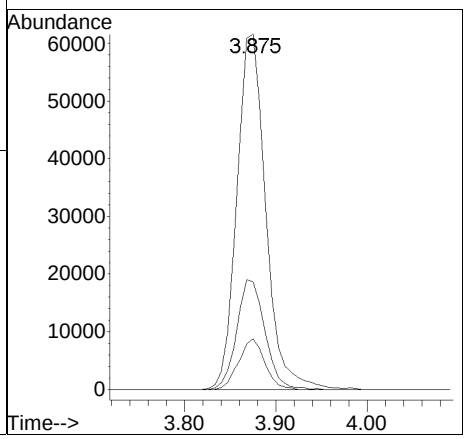


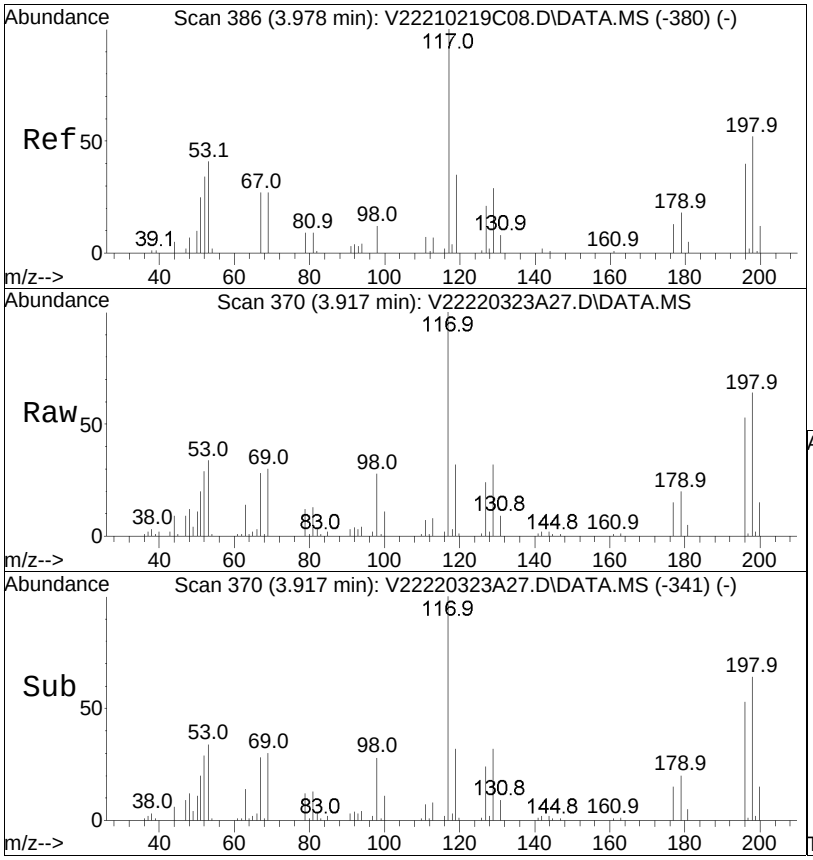


#25
1,1-Dichloroethane
Concen: 13.21 ug/L
RT: 3.875 min Scan# 364
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 63 Resp: 135719

Ion	Ratio	Lower	Upper
63	100		
65	30.1	11.9	51.9
83	12.8	0.0	34.2

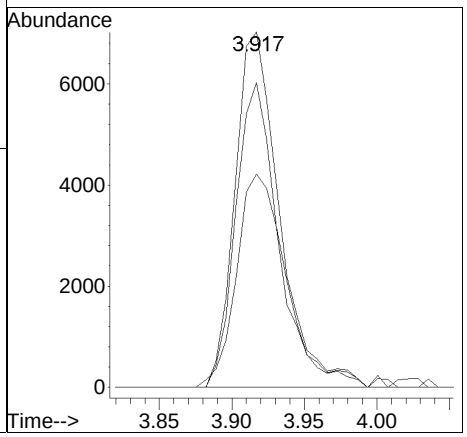


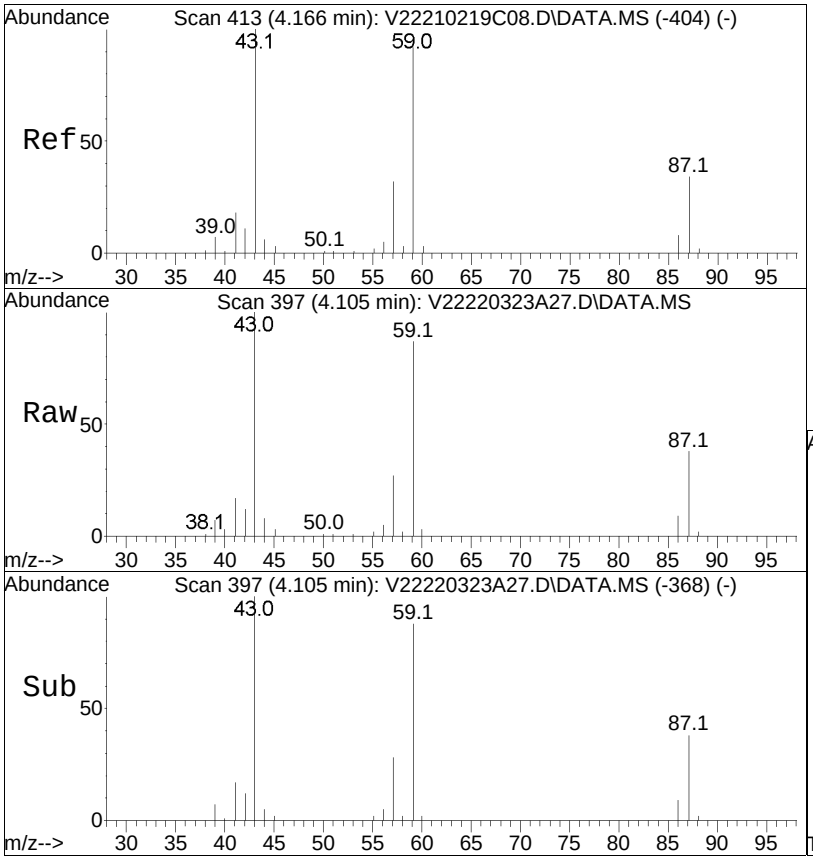


#27
Acrylonitrile
Concen: 11.74 ug/L
RT: 3.917 min Scan# 370
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 53 Resp: 15083

Ion	Ratio	Lower	Upper
53	100		
52	83.2	63.8	95.8
51	67.1	50.2	75.4

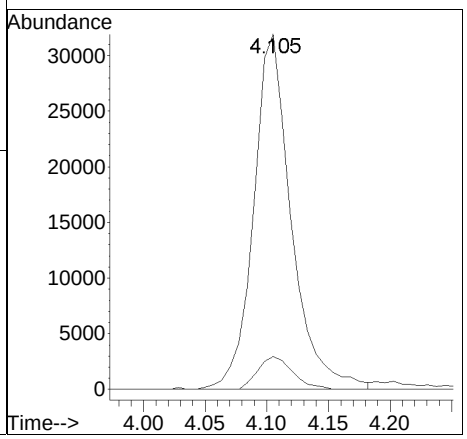


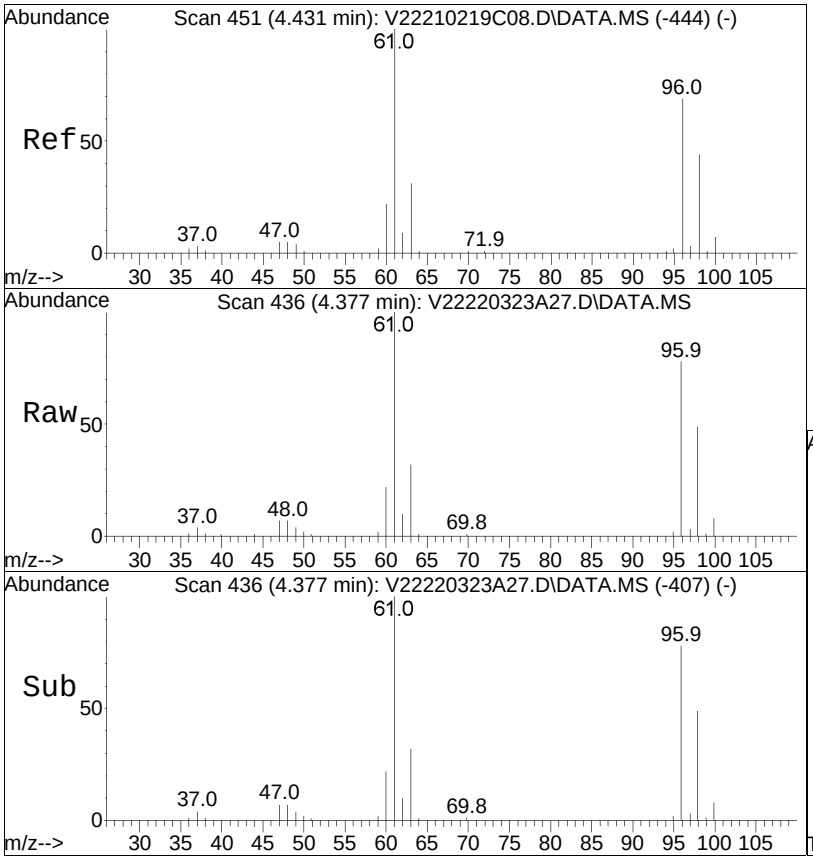


#29
Vinyl acetate
Concen: 9.41 ug/L
RT: 4.105 min Scan# 397
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 43 Resp: 68030

Ion	Ratio	Lower	Upper
43	100		
86	8.6	8.9	13.3#

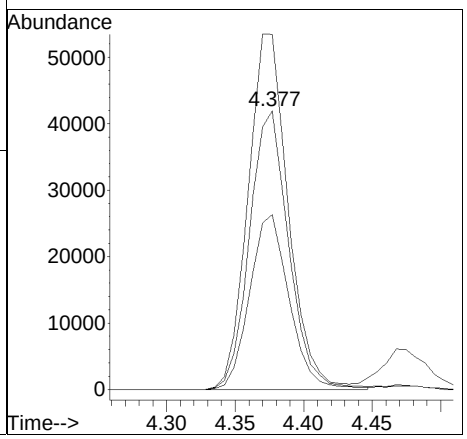


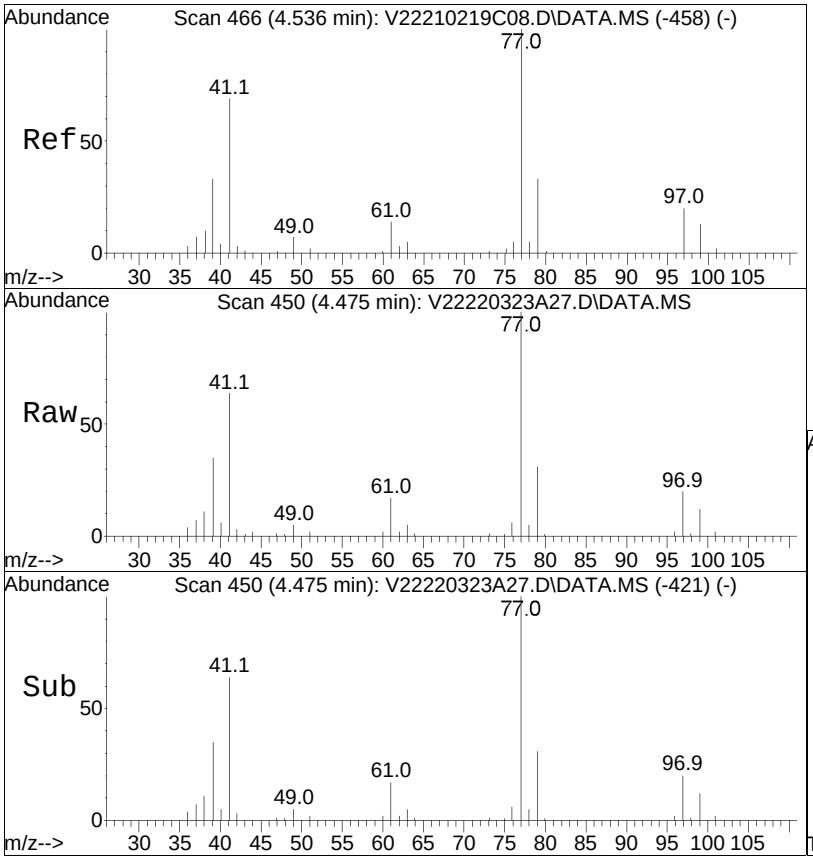


#30
cis-1,2-Dichloroethene
Concen: 13.37 ug/L
RT: 4.377 min Scan# 436
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 96 Resp: 83419

Ion	Ratio	Lower	Upper
96	100		
61	130.5	90.3	135.5
98	63.1	50.8	76.2

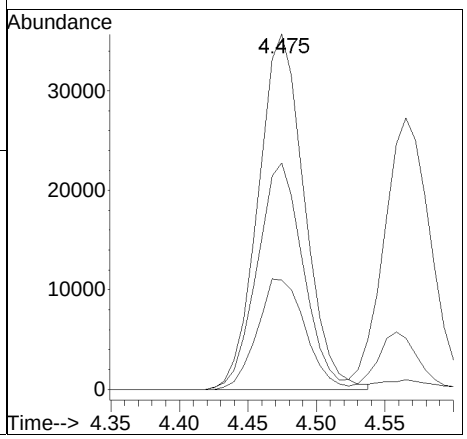


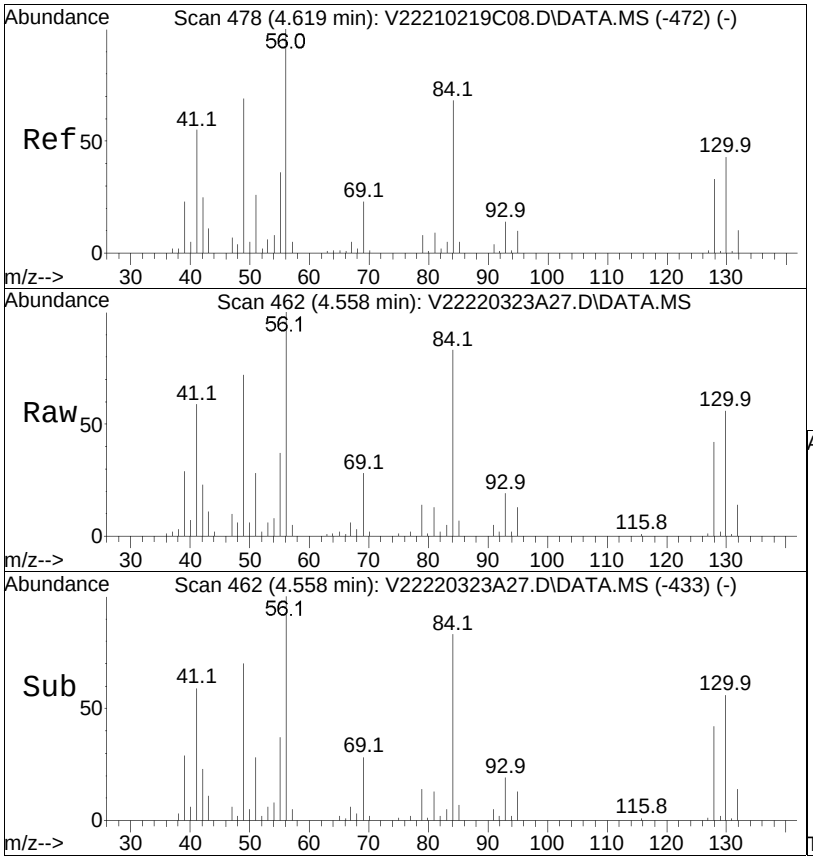


#31
2,2-Dichloropropane
Concen: 10.87 ug/L
RT: 4.475 min Scan# 450
Delta R.T. 0.001 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 77 Resp: 83782

Ion	Ratio	Lower	Upper
77	100		
41	63.3	32.3	67.1
79	32.1	21.1	43.7

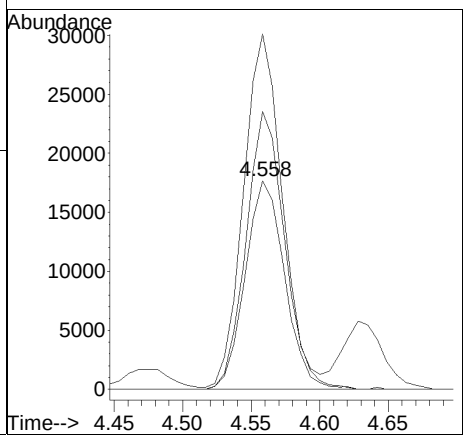


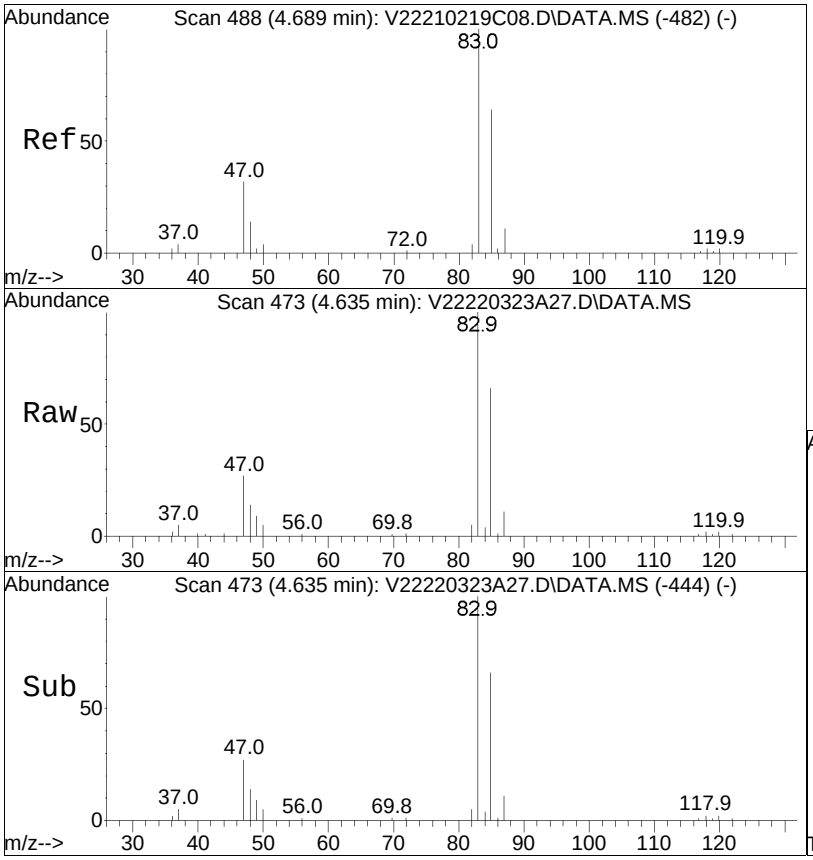


#32
Bromochloromethane
Concen: 12.39 ug/L
RT: 4.558 min Scan# 462
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:128 Resp: 35479

Ion	Ratio	Lower	Upper
128	100		
49	167.5	104.4	156.6#
130	130.0	103.9	155.9

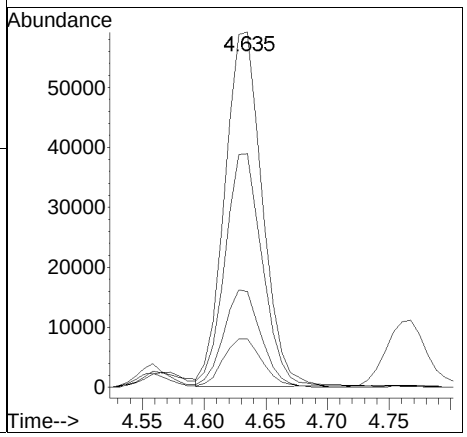


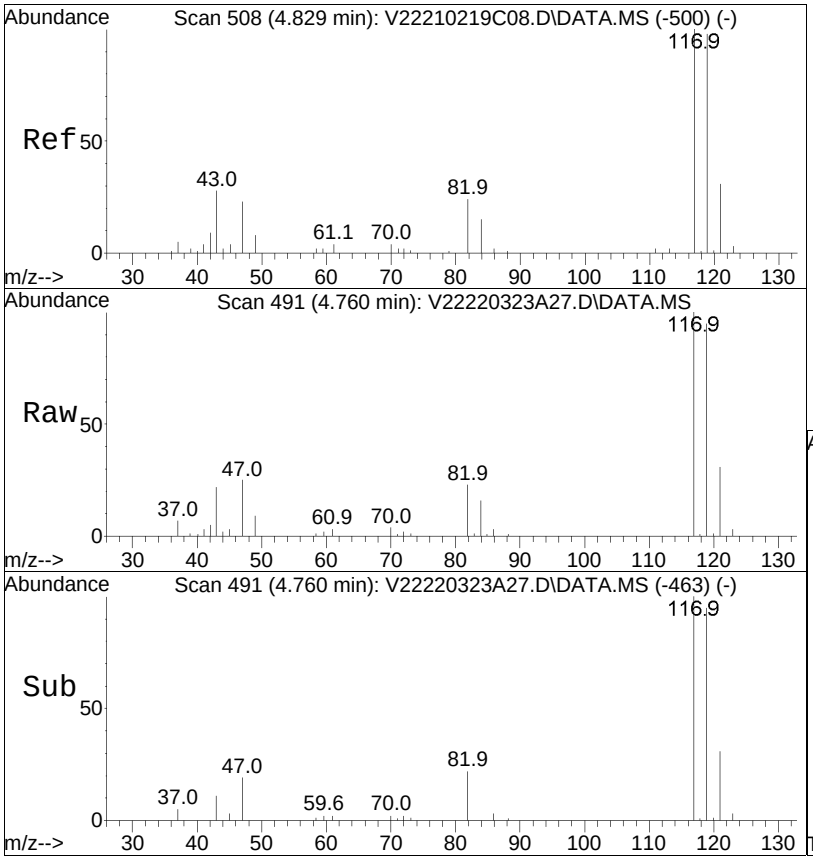


#34
Chloroform
Concen: 11.63 ug/L
RT: 4.635 min Scan# 473
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 83 Resp: 125286

Ion	Ratio	Lower	Upper
83	100		
85	65.6	42.4	88.2
47	27.8	14.0	29.0
48	14.4	6.9	14.3#

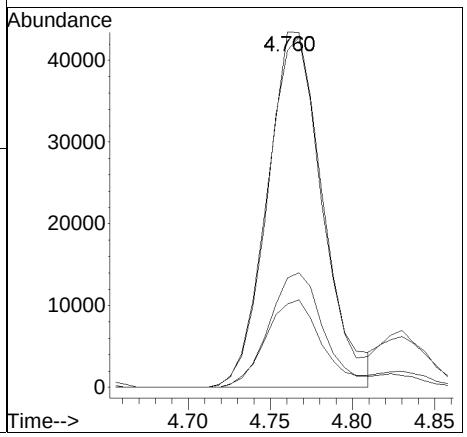


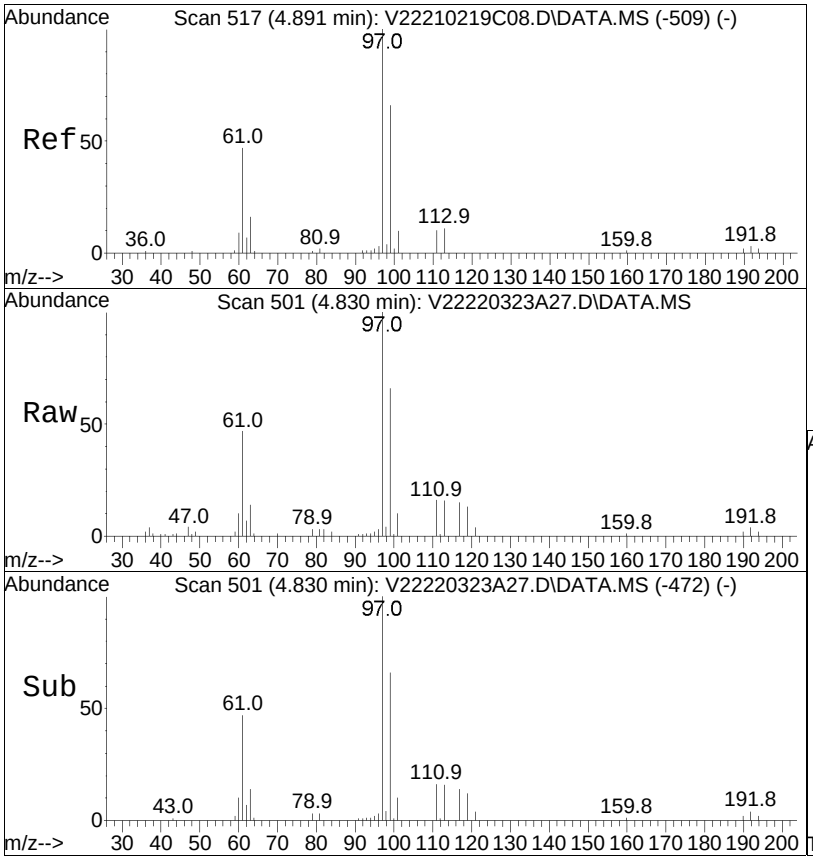


#36
Carbon tetrachloride
Concen: 12.93 ug/L
RT: 4.760 min Scan# 491
Delta R.T. -0.007 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:117 Resp: 102740

Ion	Ratio	Lower	Upper
117	100		
119	96.7	62.1	129.1
121	31.5	20.3	42.3
82	25.2	15.4	32.0

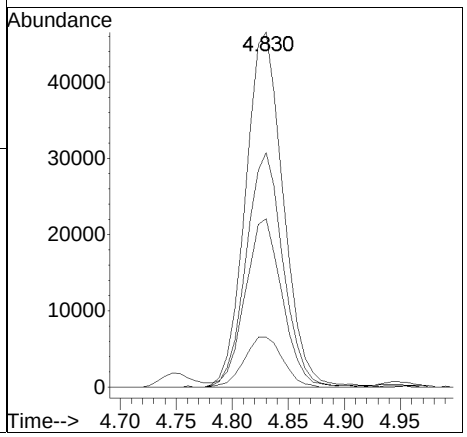


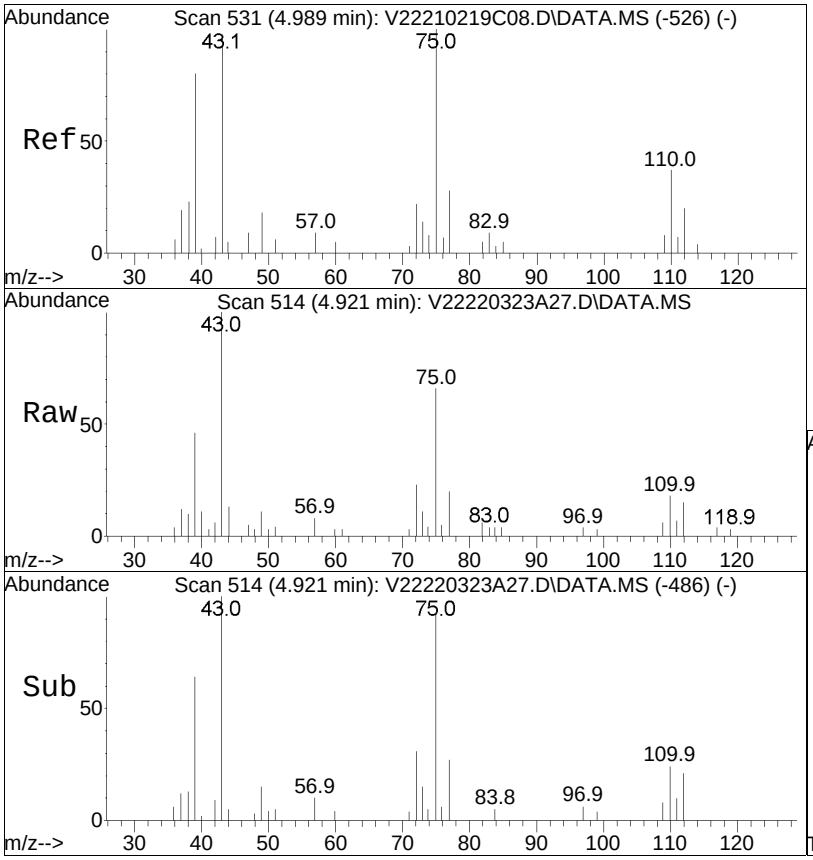


#39
1,1,1-Trichloroethane
Concen: 12.10 ug/L
RT: 4.830 min Scan# 501
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 97 Resp: 109461

Ion	Ratio	Lower	Upper
97	100		
99	65.0	42.4	88.0
61	46.8	26.0	54.0
63	14.5	8.3	17.3

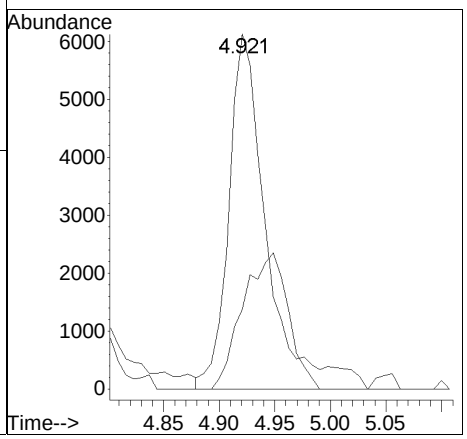


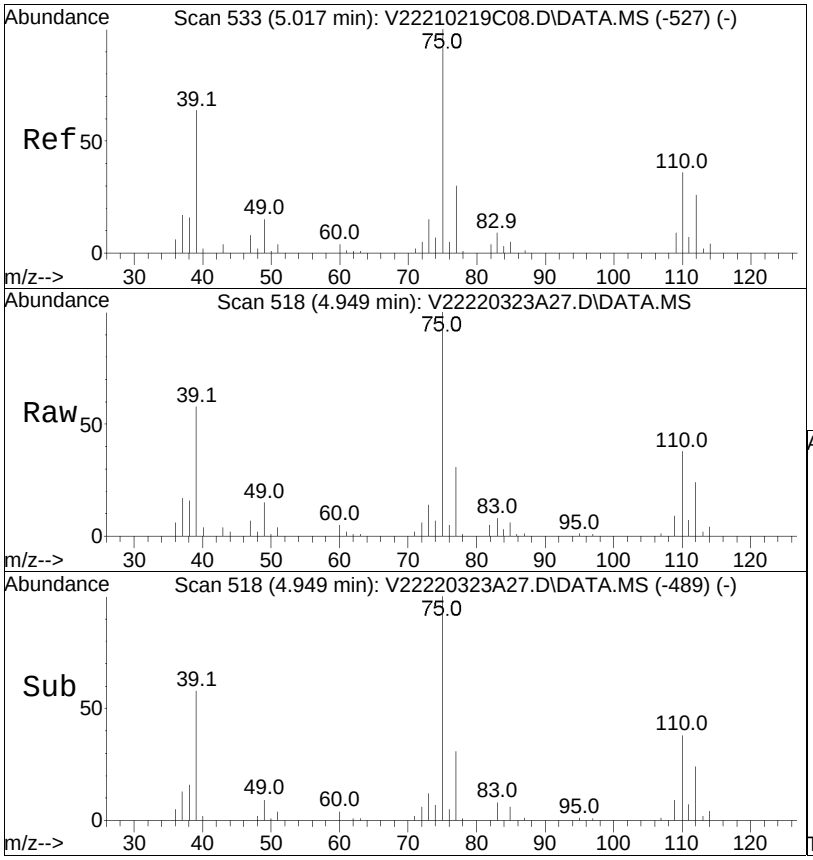


#41
2-Butanone
Concen: 11.43 ug/L
RT: 4.921 min Scan# 514
Delta R.T. -0.007 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 43 Resp: 15825

Ion	Ratio	Lower	Upper
43	100		
72	42.4	45.8	68.8#

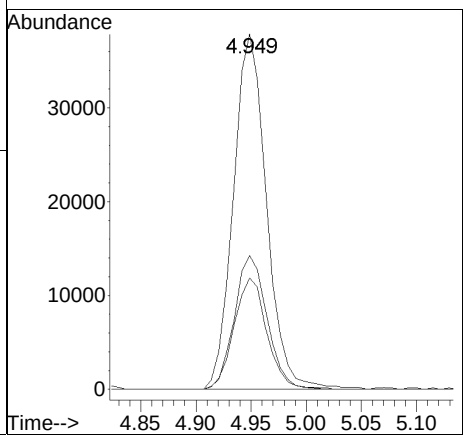


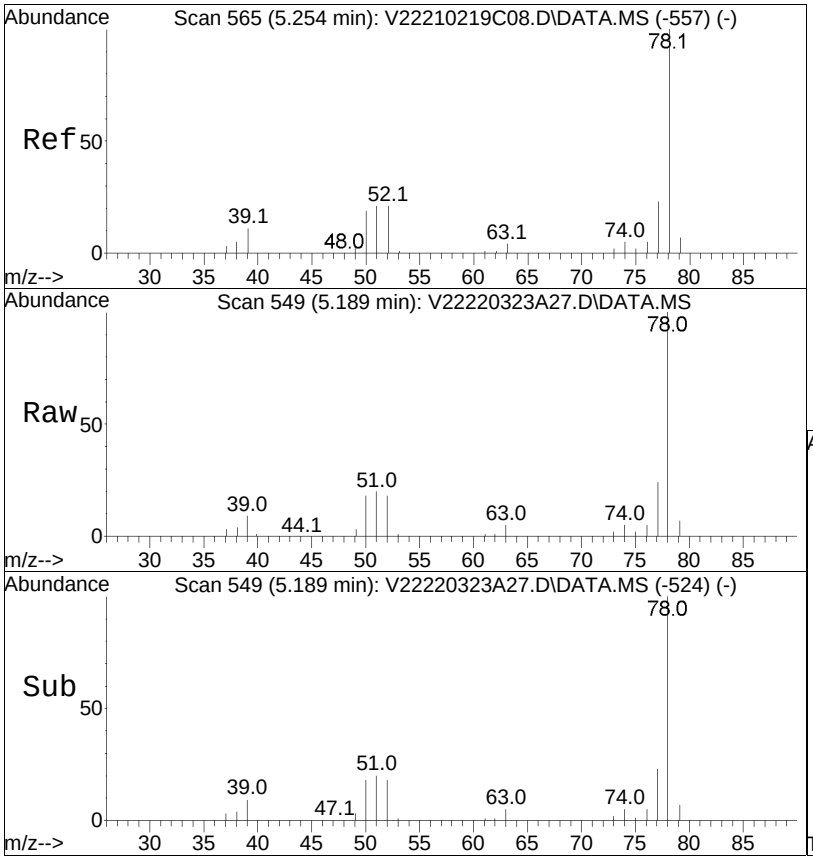


#42
1,1-Dichloropropene
Concen: 12.28 ug/L
RT: 4.949 min Scan# 518
Delta R.T. 0.001 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 75 Resp: 87994

Ion	Ratio	Lower	Upper
75	100		
110	37.7	25.4	52.8
77	31.4	20.3	42.1

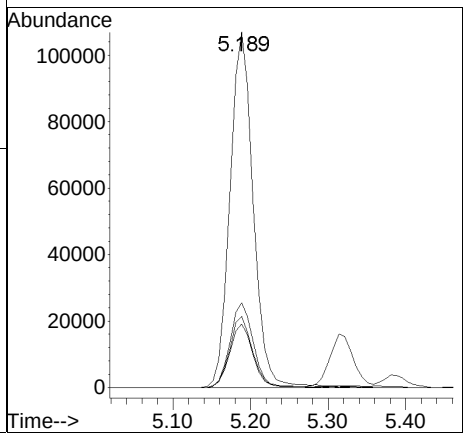


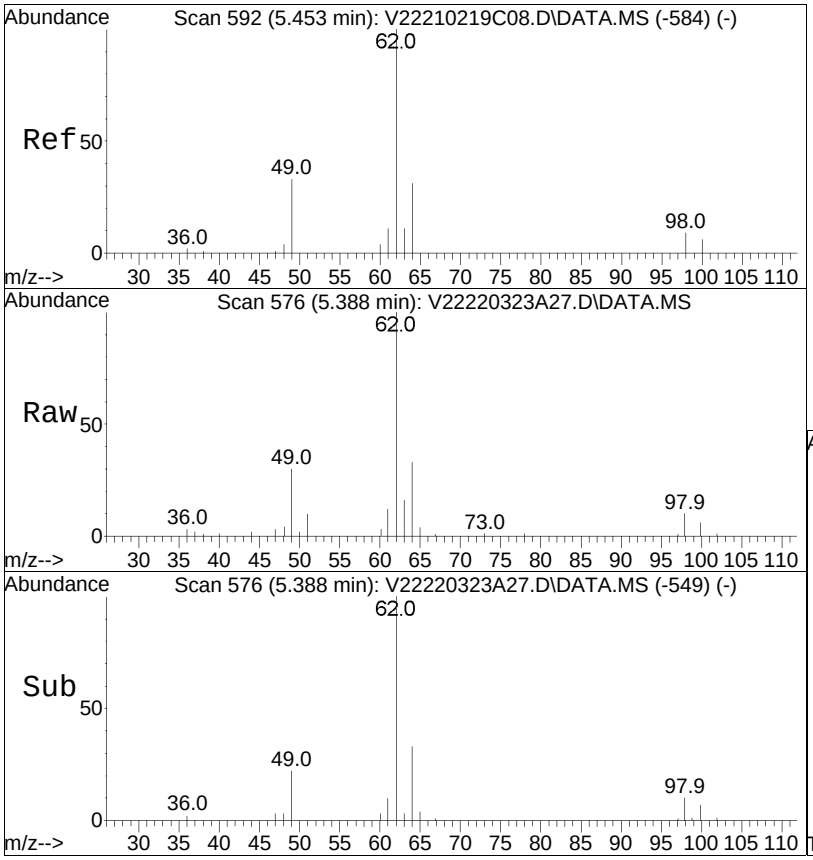


#44
Benzene
Concen: 11.86 ug/L
RT: 5.189 min Scan# 549
Delta R.T. 0.001 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 78 Resp: 223212

Ion	Ratio	Lower	Upper
78	100		
77	23.6	15.4	32.0
51	19.4	9.8	20.4
52	17.7	9.2	19.2

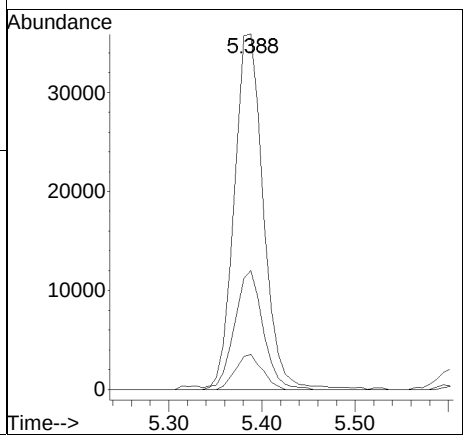


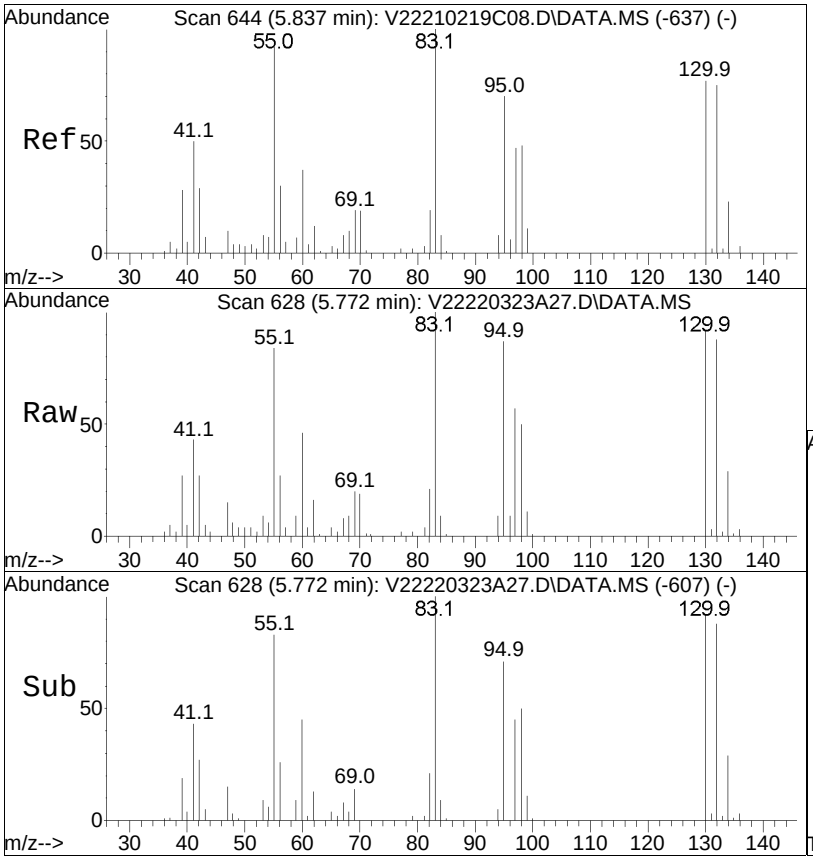


#47
1,2-Dichloroethane
Concen: 11.61 ug/L
RT: 5.388 min Scan# 576
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 62 Resp: 78213

Ion	Ratio	Lower	Upper
62	100		
64	32.7	12.3	52.3
98	9.1	0.0	30.3

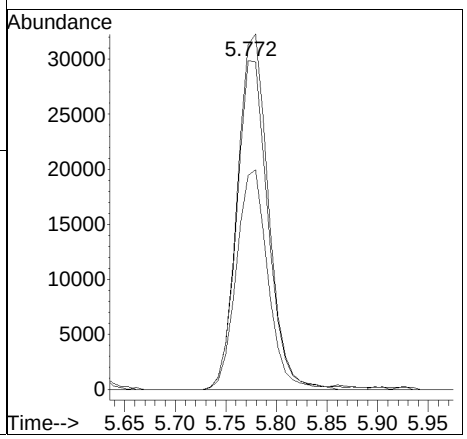


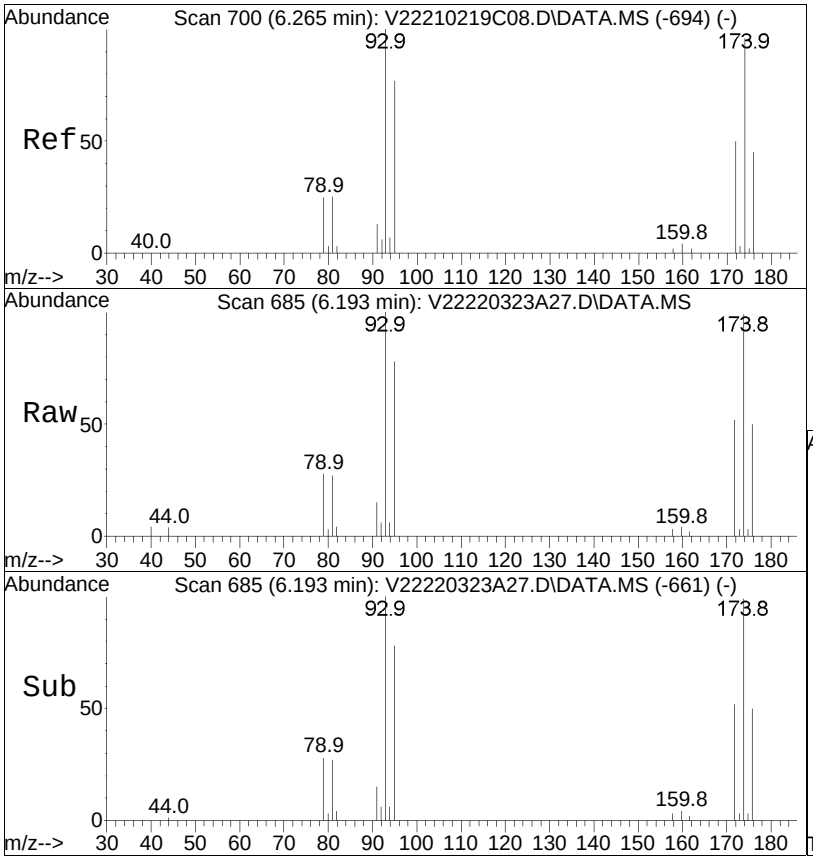


#51
Trichloroethene
Concen: 12.29 ug/L
RT: 5.772 min Scan# 628
Delta R.T. -0.007 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 95 Resp: 64444

Ion	Ratio	Lower	Upper
95	100		
97	66.9	55.0	82.4
130	107.3	89.2	133.8

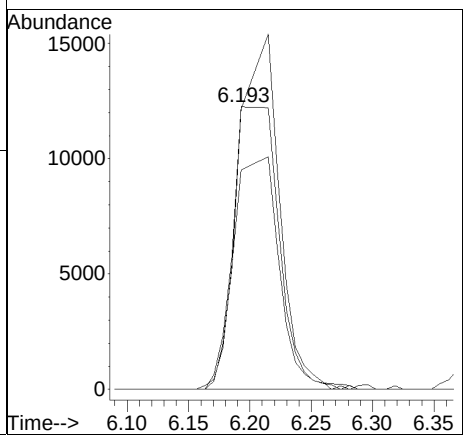


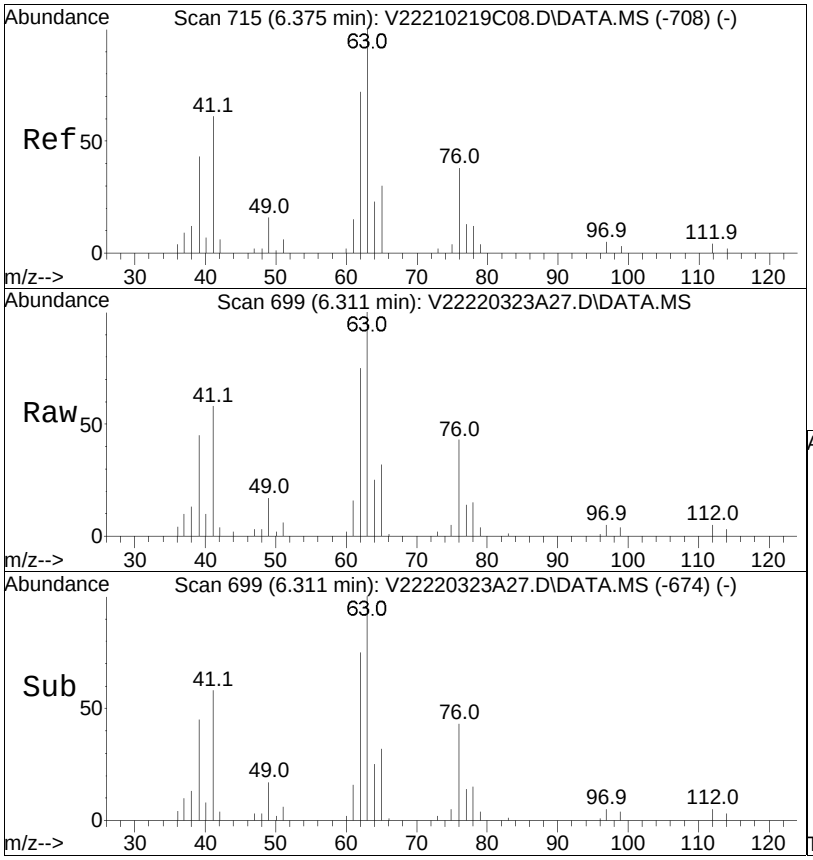


#53
Dibromomethane
Concen: 11.78 ug/L
RT: 6.193 min Scan# 685
Delta R.T. -0.022 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 93 Resp: 23727

Ion	Ratio	Lower	Upper
93	100		
95	81.4	68.0	102.0
174	112.6	106.1	159.1

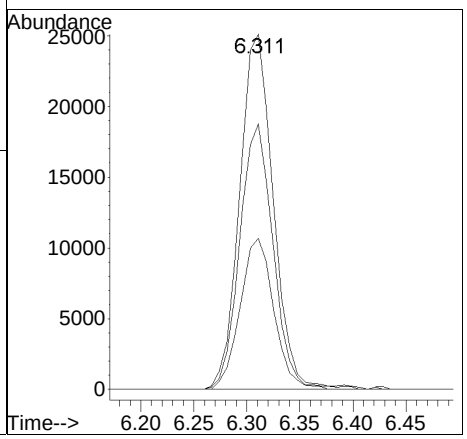


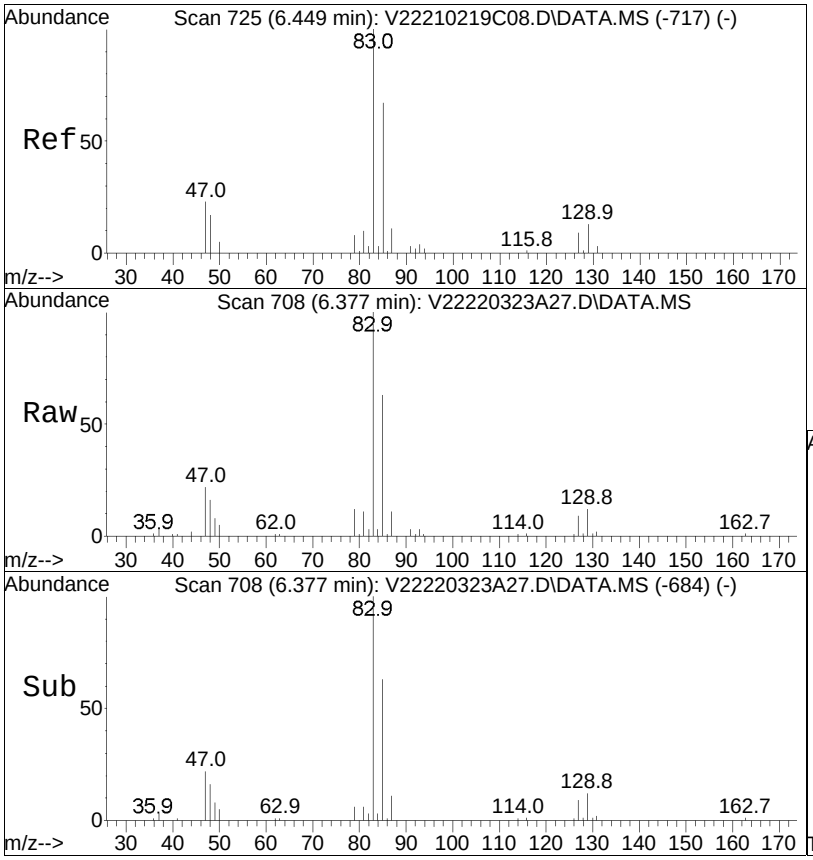


#54
1,2-Dichloropropane
Concen: 11.71 ug/L
RT: 6.311 min Scan# 699
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 63 Resp: 55659

Ion	Ratio	Lower	Upper
63	100		
62	73.9	56.9	85.3
76	42.5	35.8	53.8

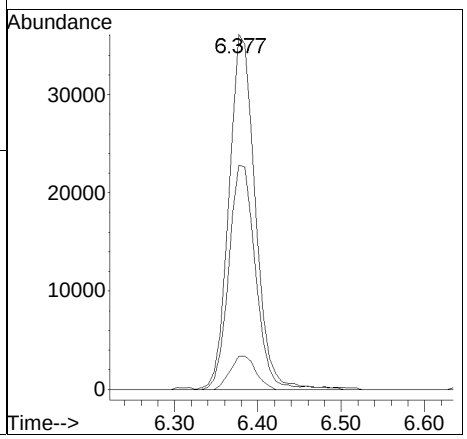


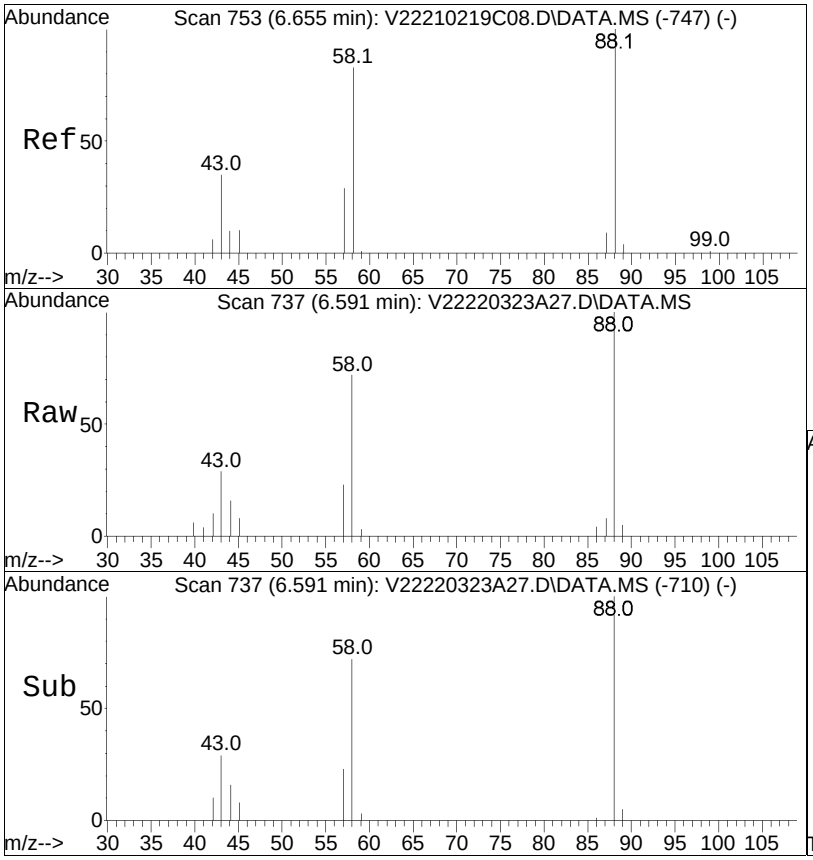


#57
Bromodichloromethane
Concen: 11.16 ug/L
RT: 6.377 min Scan# 708
Delta R.T. -0.007 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 83 Resp: 79604

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.6	77.4
127	9.1	7.4	11.0

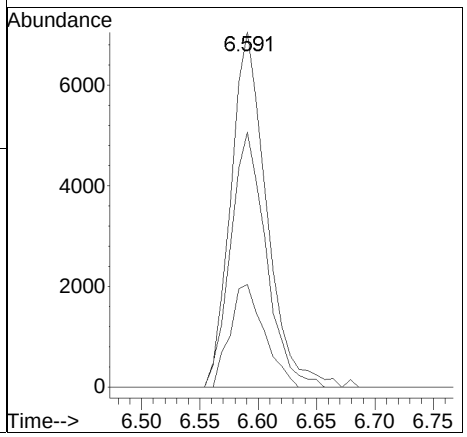


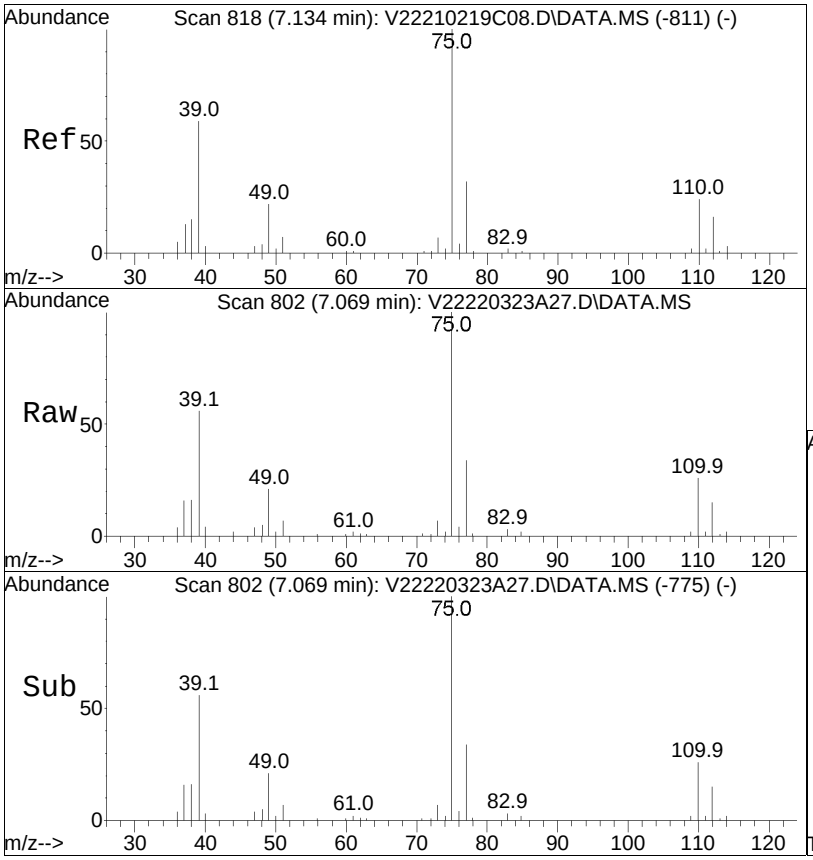


#60
1,4-Dioxane
Concen: 455.67 ug/L
RT: 6.591 min Scan# 737
Delta R.T. 0.001 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 88 Resp: 15145

Ion	Ratio	Lower	Upper
88	100		
58	71.2	43.3	64.9#
43	27.8	15.1	22.7#

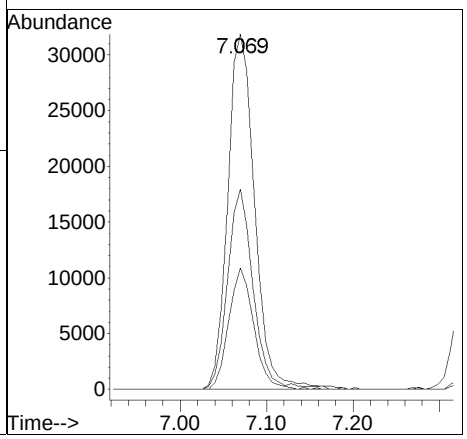


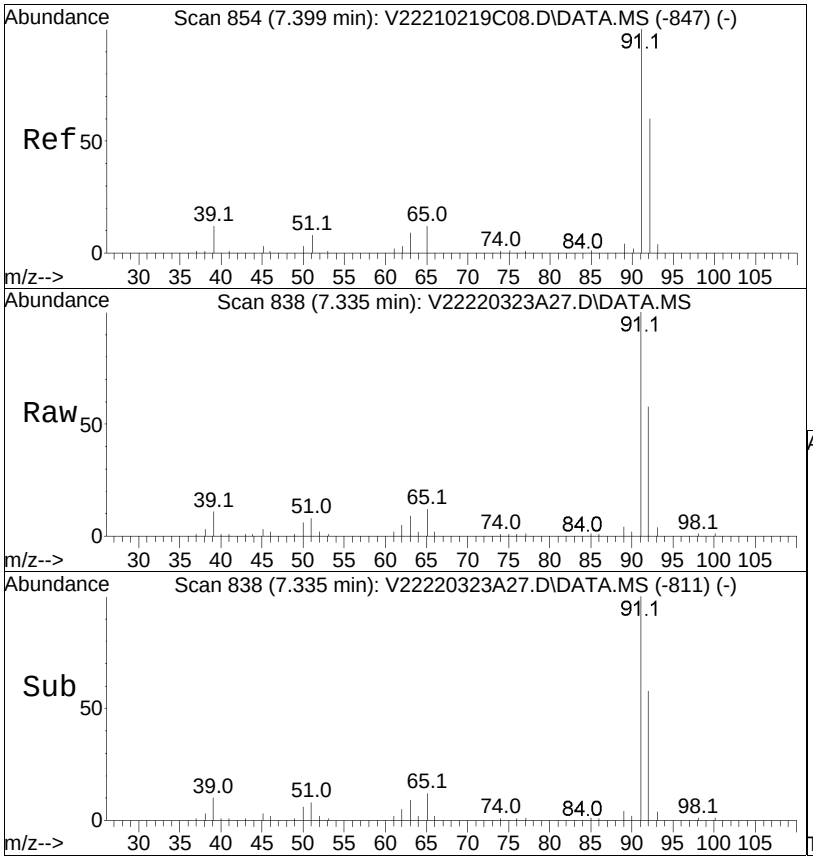


#61
cis-1,3-Dichloropropene
Concen: 9.95 ug/L
RT: 7.069 min Scan# 802
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 75 Resp: 69360

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.6	38.4
39	53.7	35.4	53.0#

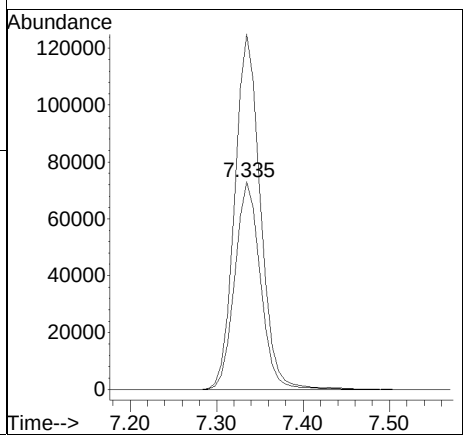


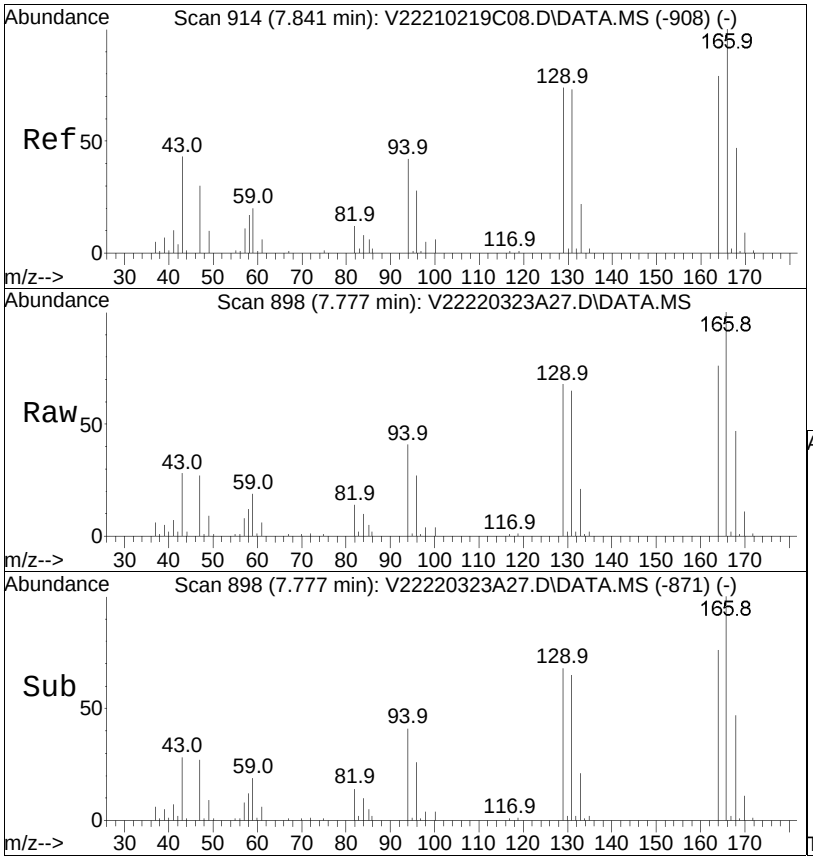


#64
Toluene
Concen: 10.92 ug/L
RT: 7.335 min Scan# 838
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 92 Resp: 150513

Ion	Ratio	Lower	Upper
92	100		
91	171.3	137.0	205.6

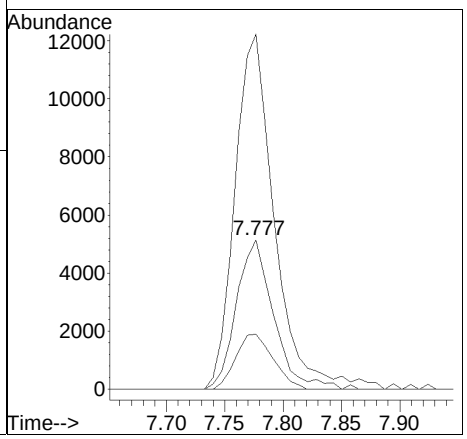


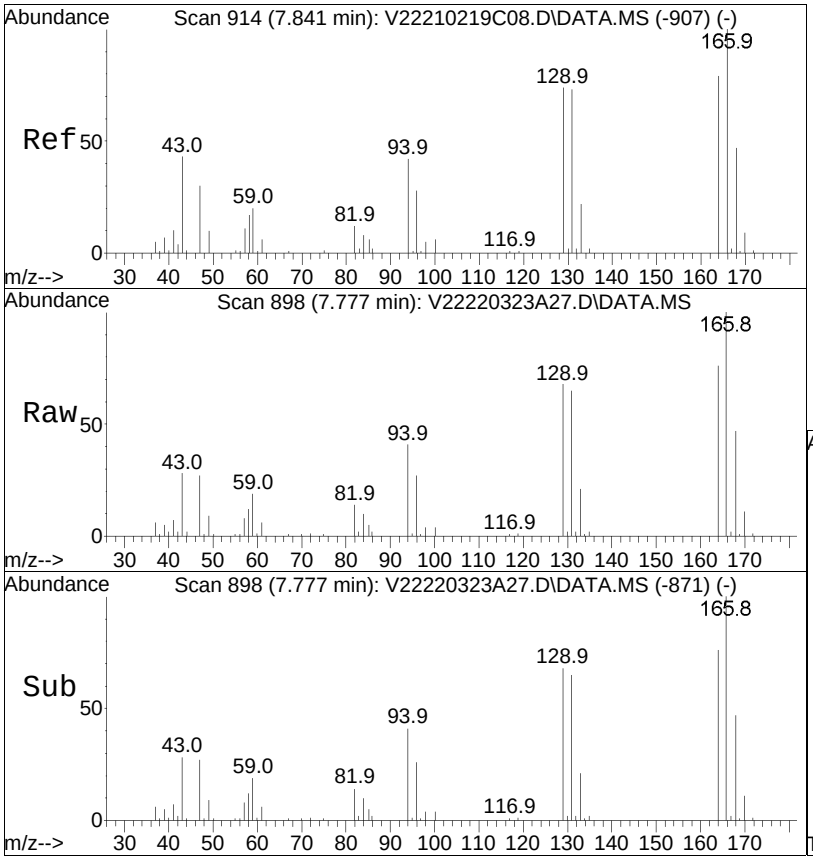


#65
4-Methyl-2-pentanone
Concen: 10.14 ug/L
RT: 7.777 min Scan# 898
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 58 Resp: 11499

Ion	Ratio	Lower	Upper
58	100		
100	37.0	36.2	54.4
43	250.8	181.8	272.8

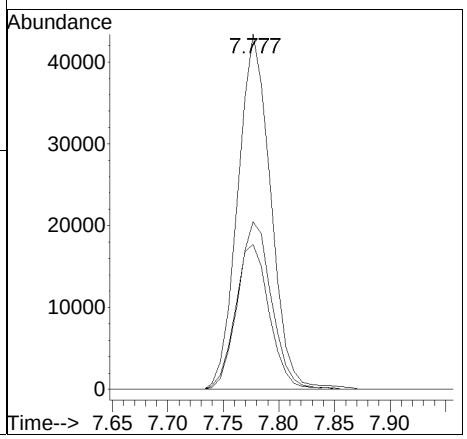


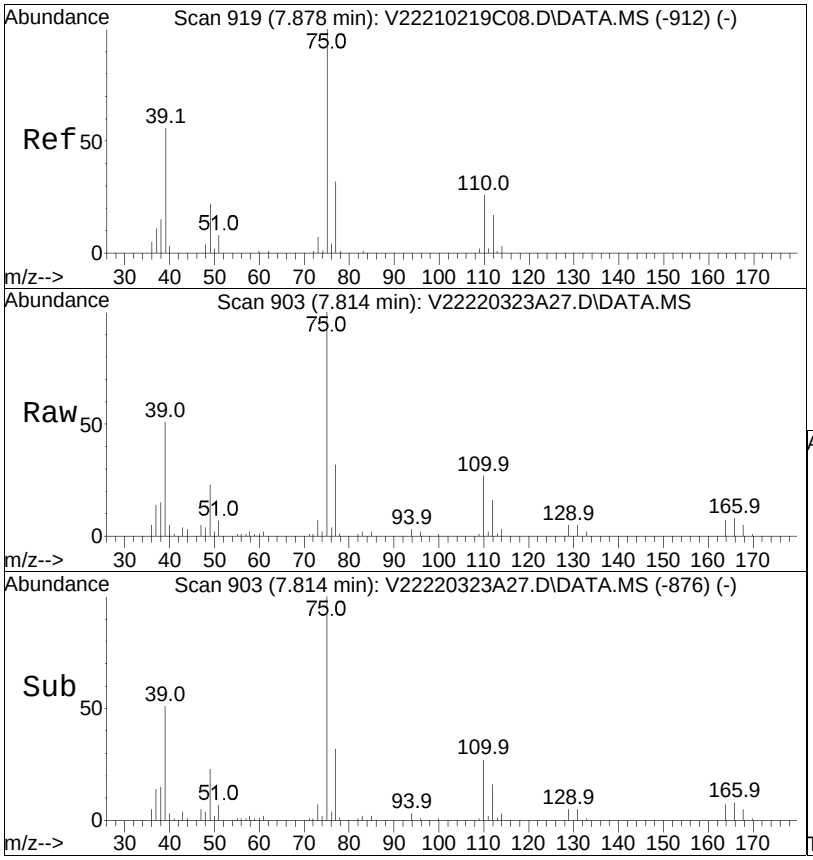


#66
Tetrachloroethene
Concen: 13.79 ug/L
RT: 7.777 min Scan# 898
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:166 Resp: 89682

Ion	Ratio	Lower	Upper
166	100		
168	48.2	27.8	67.8
94	42.2	16.7	56.7

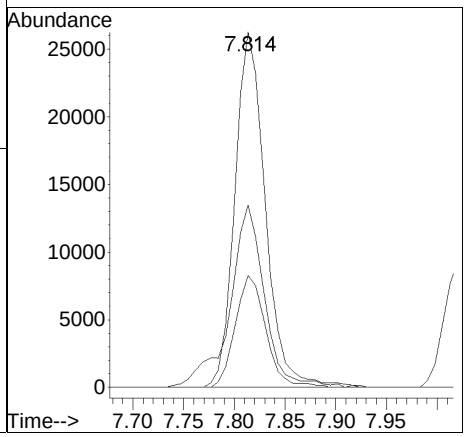


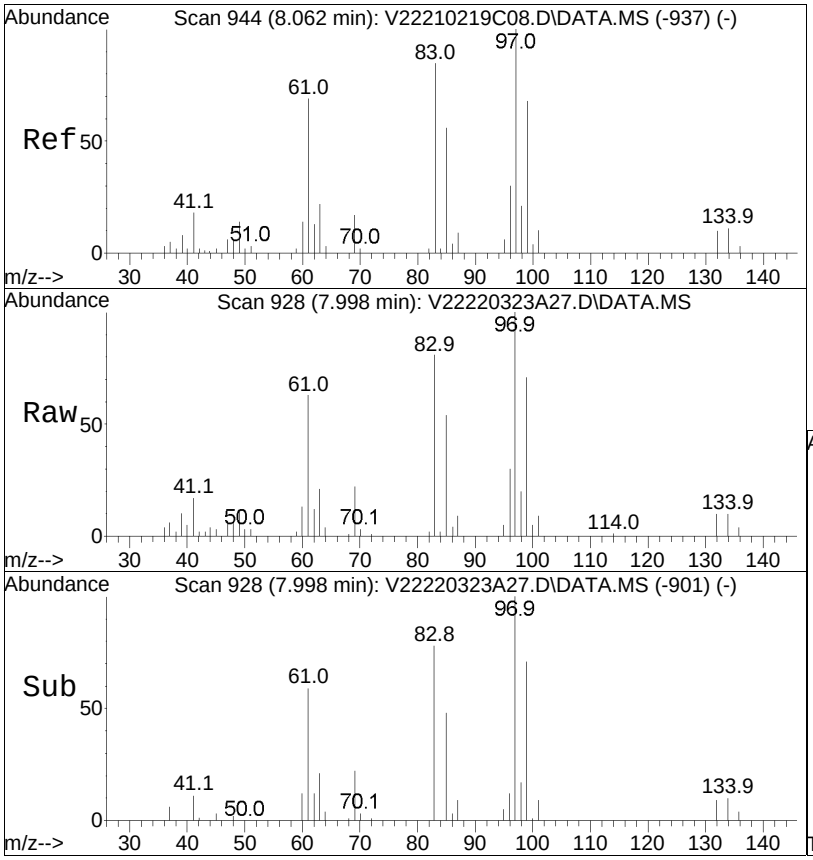


#68
trans-1,3-Dichloropropene
Concen: 7.51 ug/L
RT: 7.814 min Scan# 903
Delta R.T. 0.001 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 75 Resp: 54853

Ion	Ratio	Lower	Upper
75	100		
77	31.6	11.9	51.9
39	58.6	27.4	67.4

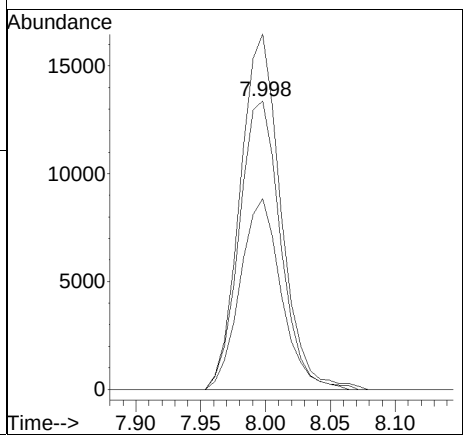


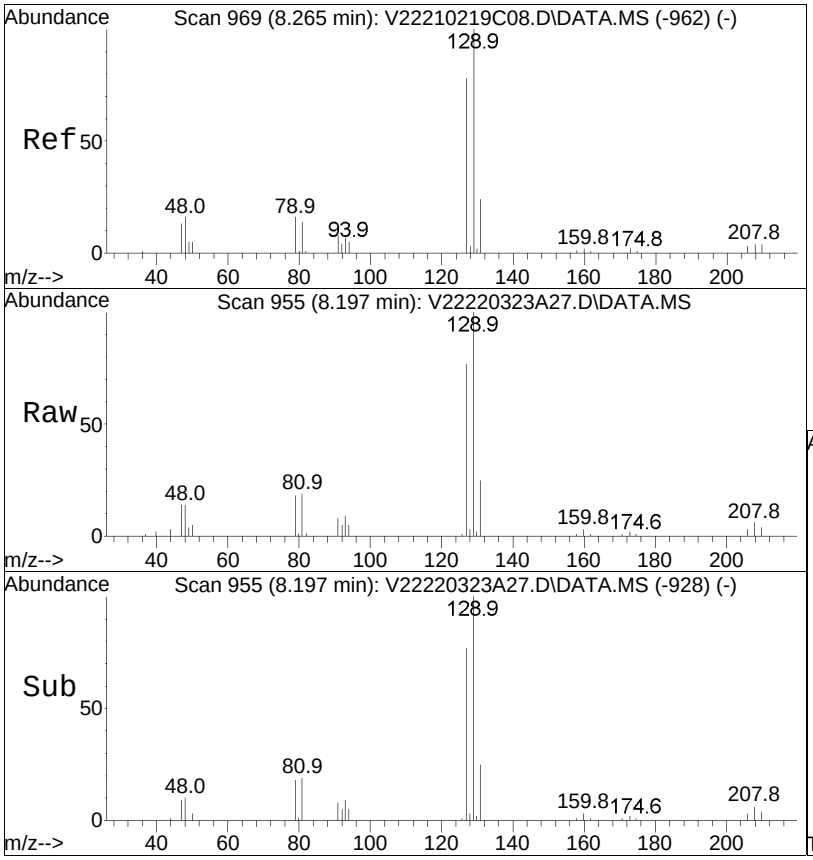


#71
1,1,2-Trichloroethane
Concen: 9.37 ug/L
RT: 7.998 min Scan# 928
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 83 Resp: 29608

Ion	Ratio	Lower	Upper
83	100		
97	121.7	103.4	143.4
85	66.0	47.9	87.9

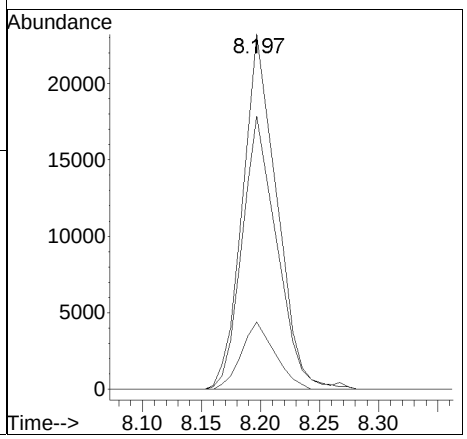


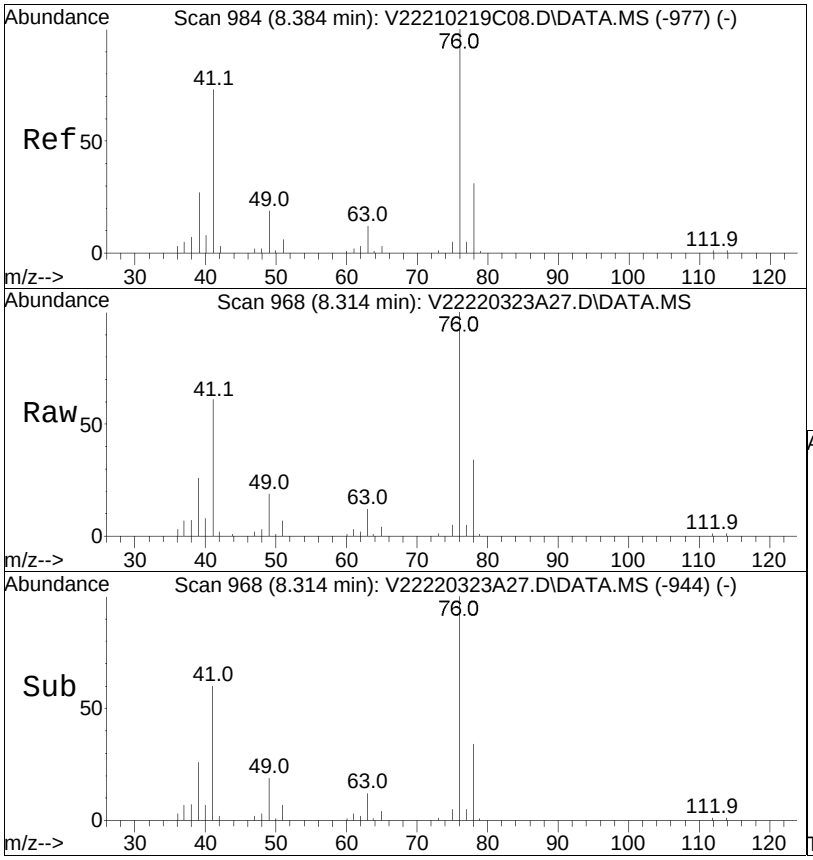


#72
Chlorodibromomethane
Concen: 10.14 ug/L
RT: 8.197 min Scan# 955
Delta R.T. 0.001 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:129 Resp: 36923

Ion	Ratio	Lower	Upper
129	100		
81	19.8	0.0	33.8
127	78.6	57.1	97.1

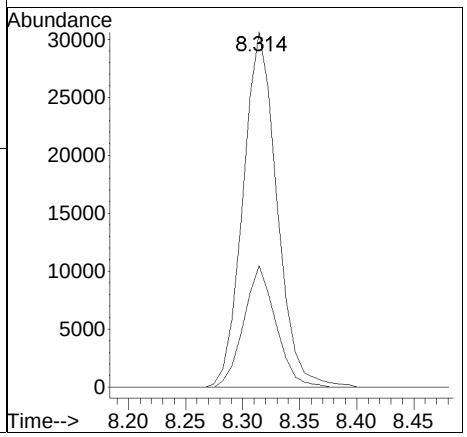


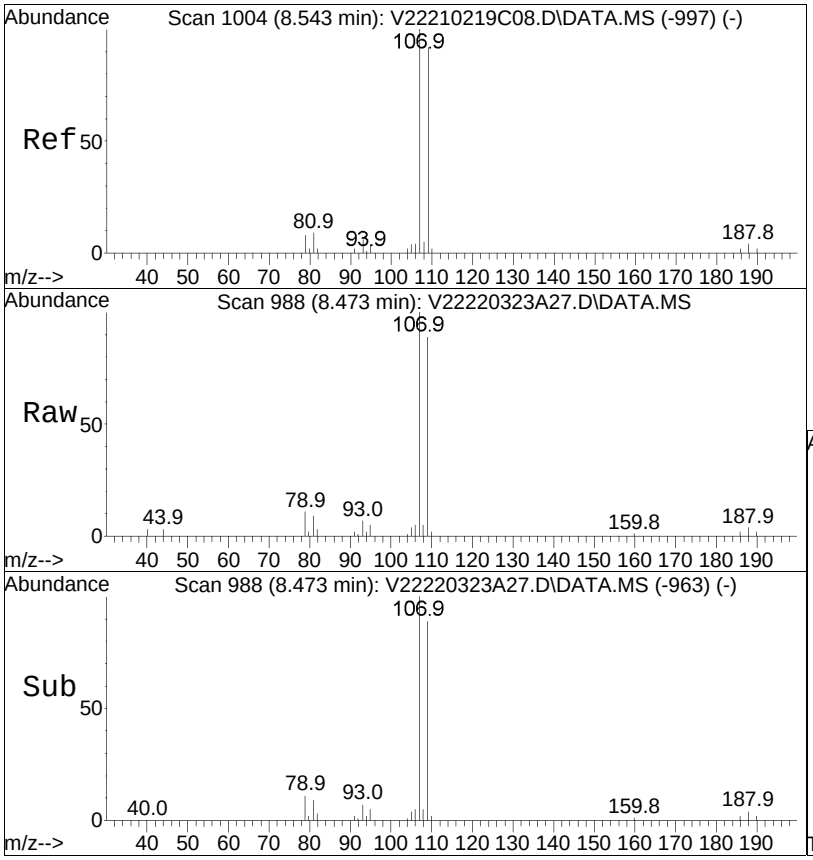


#73
1,3-Dichloropropane
Concen: 9.74 ug/L
RT: 8.314 min Scan# 968
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 76 Resp: 63531

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.7	38.5

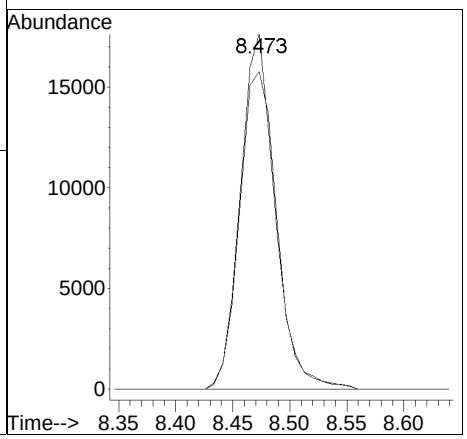


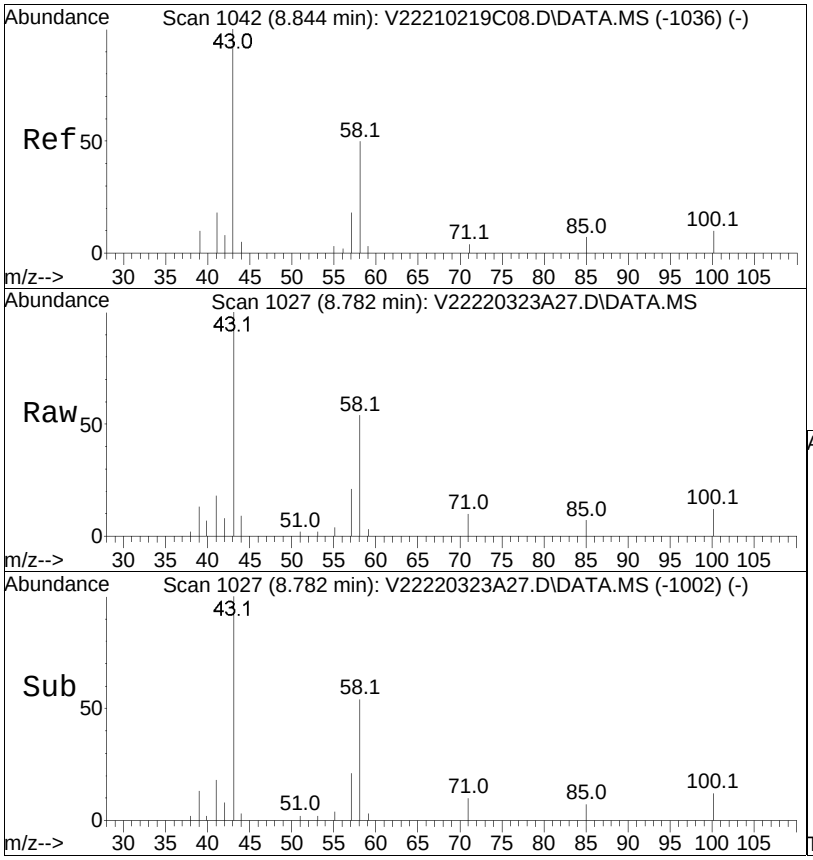


#74
1,2-Dibromoethane
Concen: 9.47 ug/L
RT: 8.473 min Scan# 988
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:107 Resp: 37375

Ion	Ratio	Lower	Upper
107	100		
109	97.0	75.1	112.7

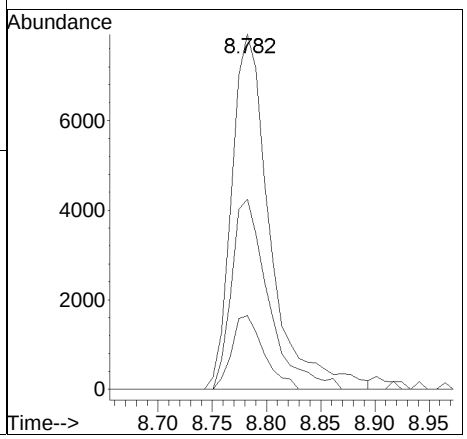


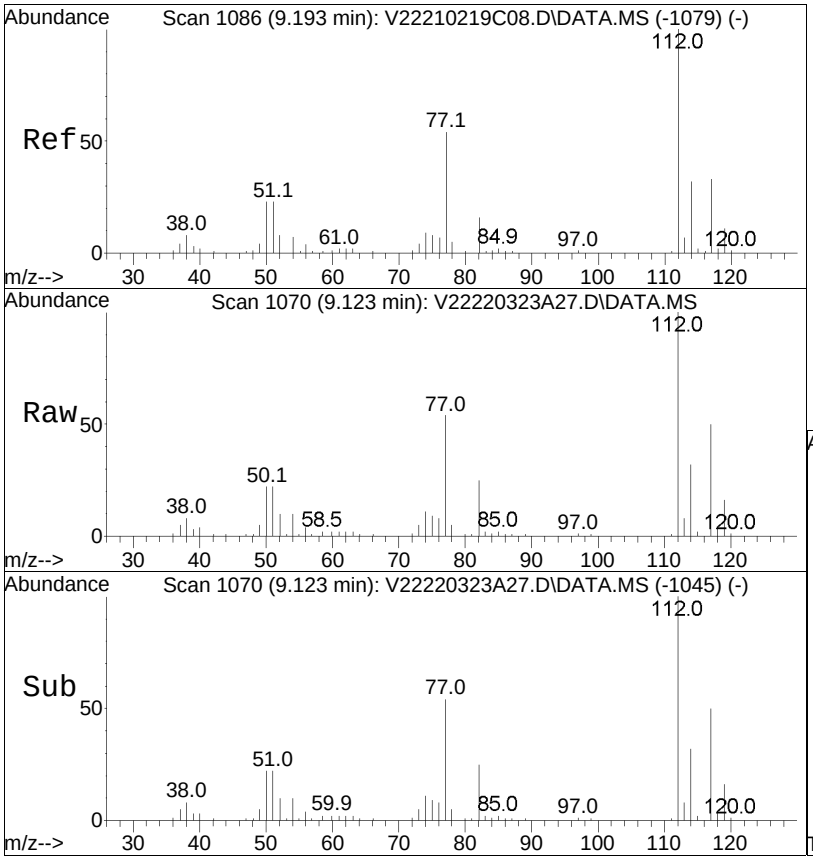


#76
2-Hexanone
Concen: 8.40 ug/L
RT: 8.782 min Scan# 1027
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 43 Resp: 19630

Ion	Ratio	Lower	Upper
43	100		
58	51.6	47.6	71.4
57	17.4	16.6	24.8

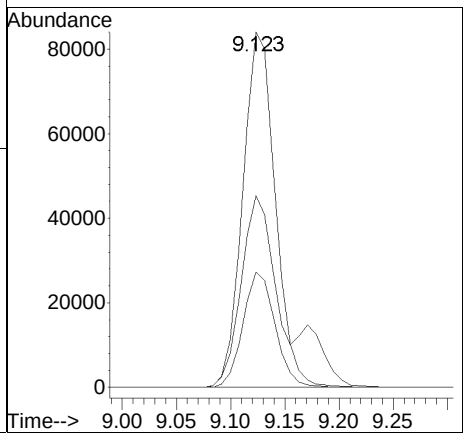


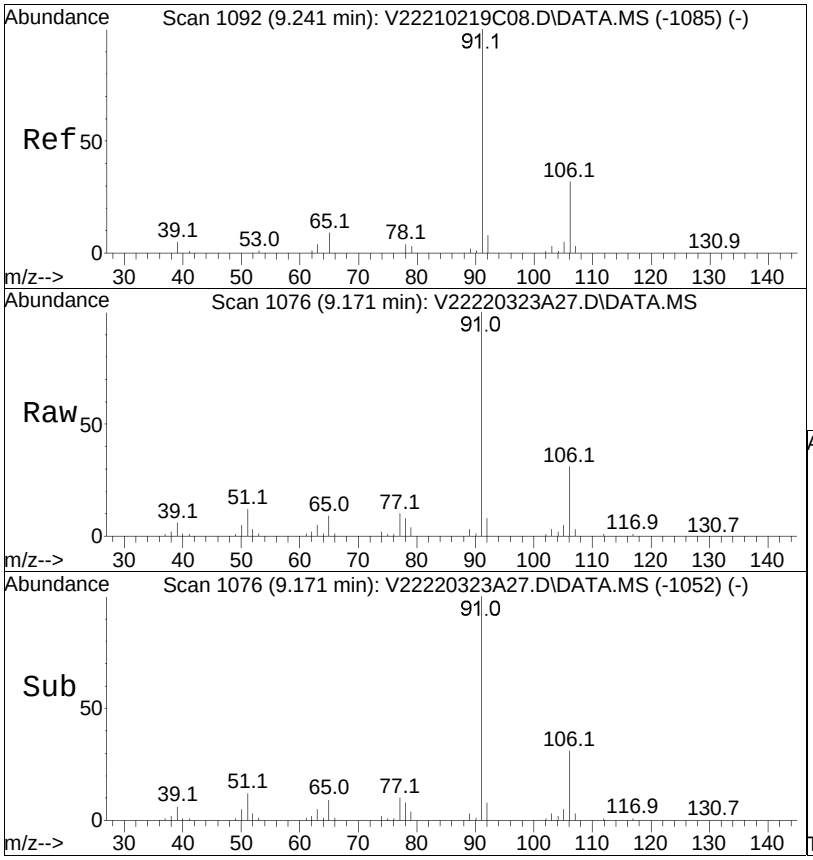


#77
Chlorobenzene
Concen: 11.03 ug/L
RT: 9.123 min Scan# 1070
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:112 Resp: 175384

Ion	Ratio	Lower	Upper
112	100		
77	55.9	55.4	83.0
114	32.1	26.2	39.4

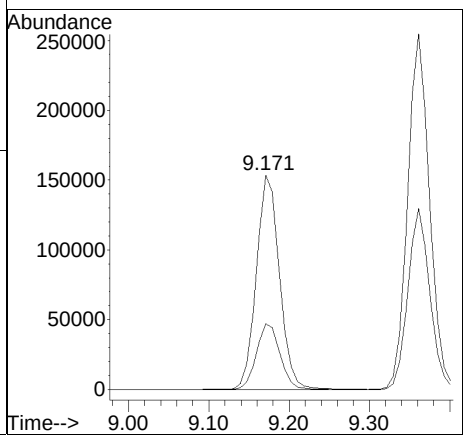


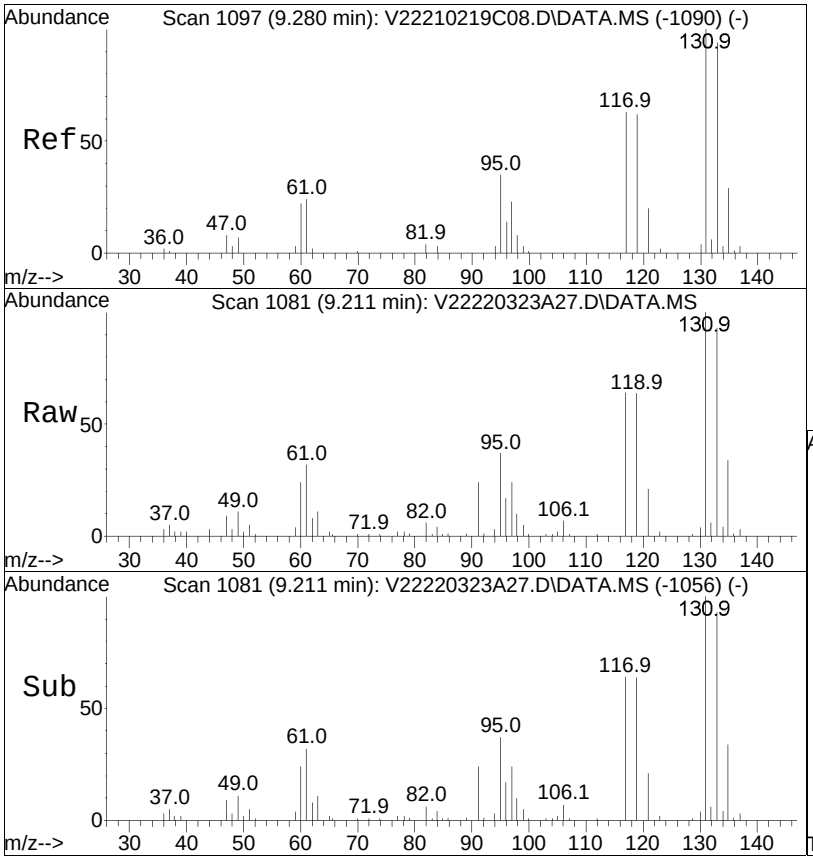


#78
Ethylbenzene
Concen: 11.06 ug/L
RT: 9.171 min Scan# 1076
Delta R.T. -0.008 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 91 Resp: 307476

Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.8	38.6

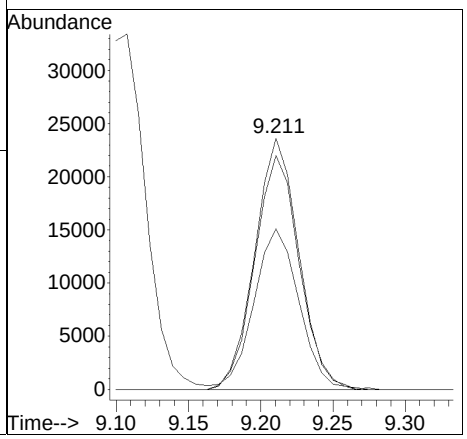


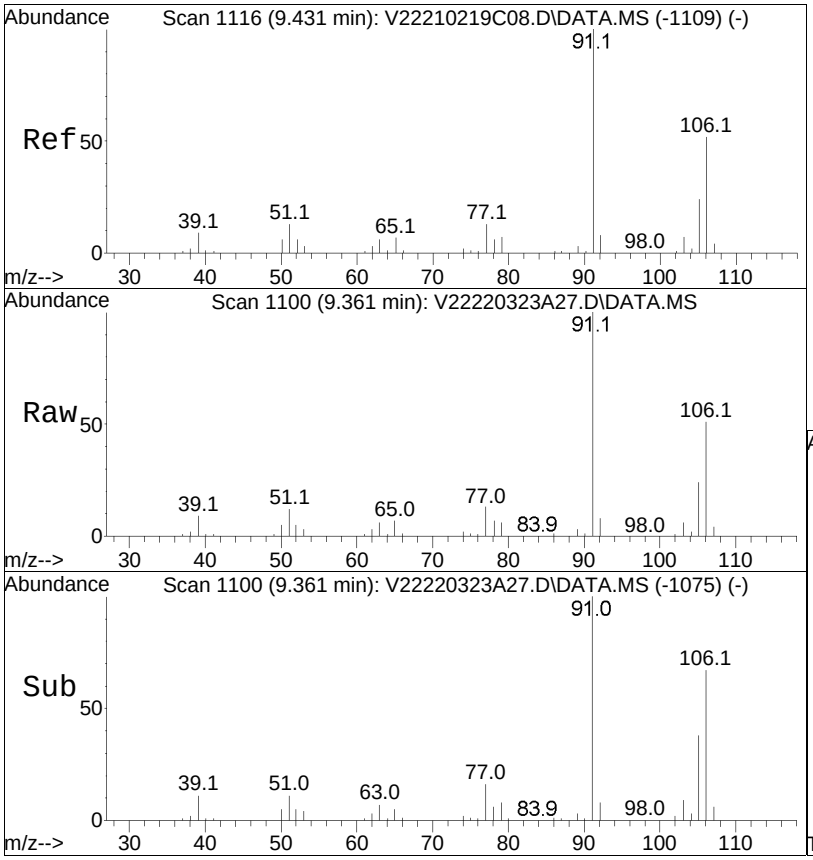


#79
1,1,1,2-Tetrachloroethane
Concen: 9.17 ug/L
RT: 9.211 min Scan# 1081
Delta R.T. 0.001 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:131 Resp: 50033

Ion	Ratio	Lower	Upper
131	100		
133	94.6	75.3	115.3
119	65.5	49.3	89.3

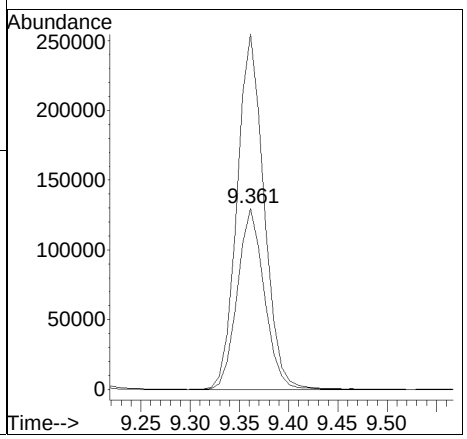


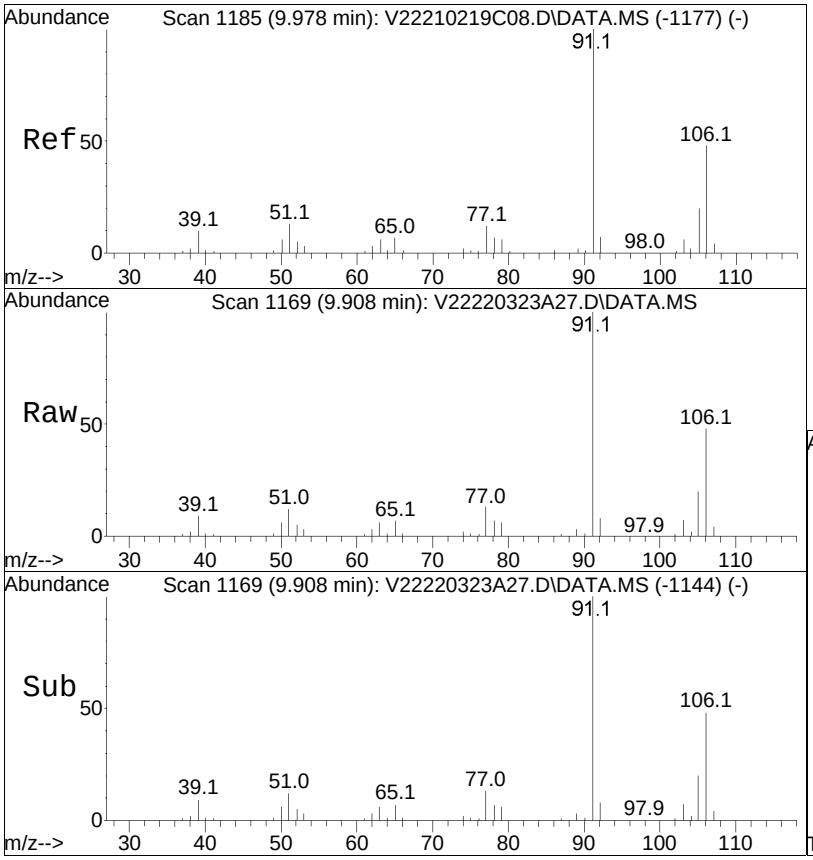


#80
p/m Xylene
Concen: 22.53 ug/L
RT: 9.361 min Scan# 1100
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:106 Resp: 246884

Ion	Ratio	Lower	Upper
106	100		
91	196.6	156.0	234.0

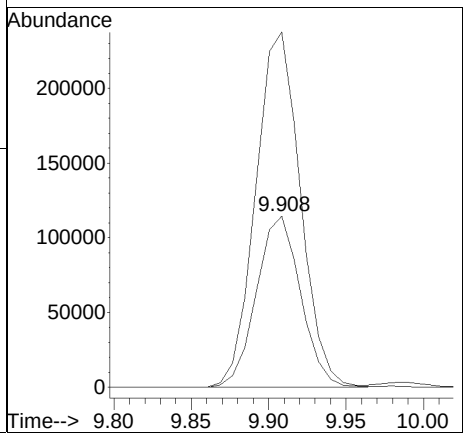


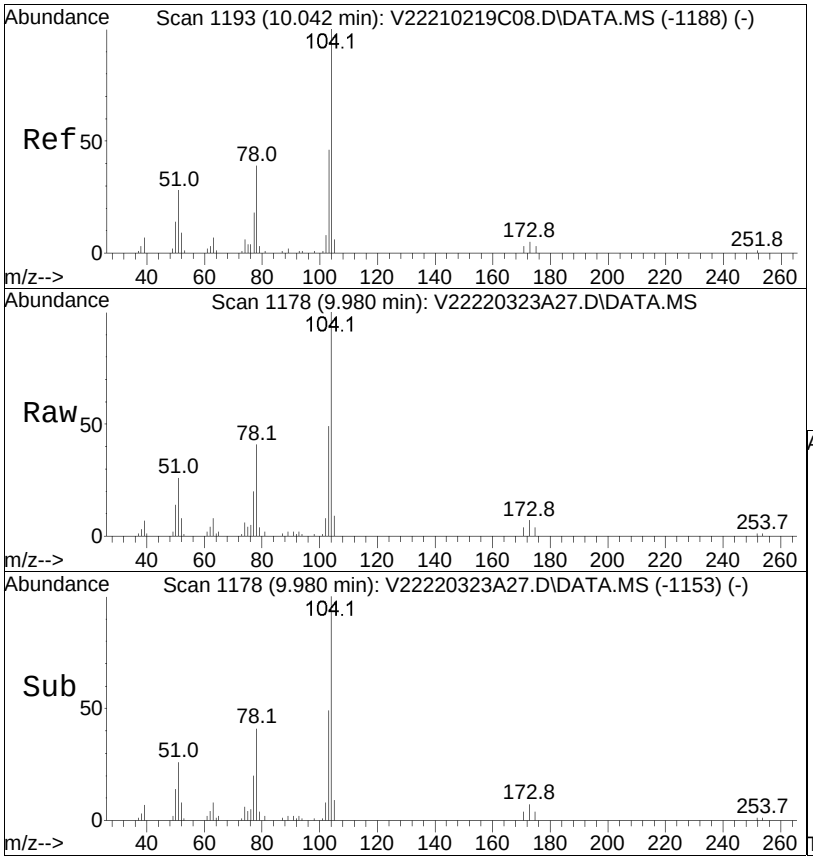


#81
o Xylene
Concen: 21.73 ug/L
RT: 9.908 min Scan# 1169
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:106 Resp: 227694

Ion	Ratio	Lower	Upper
106	100		
91	209.7	164.0	246.0

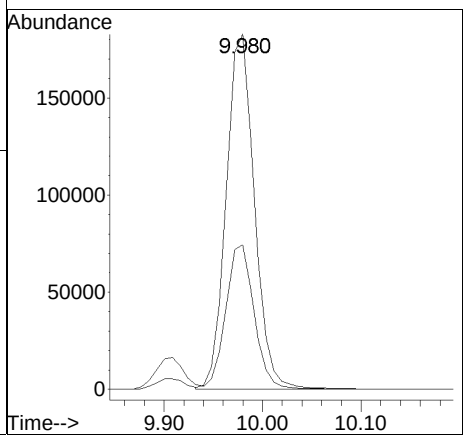


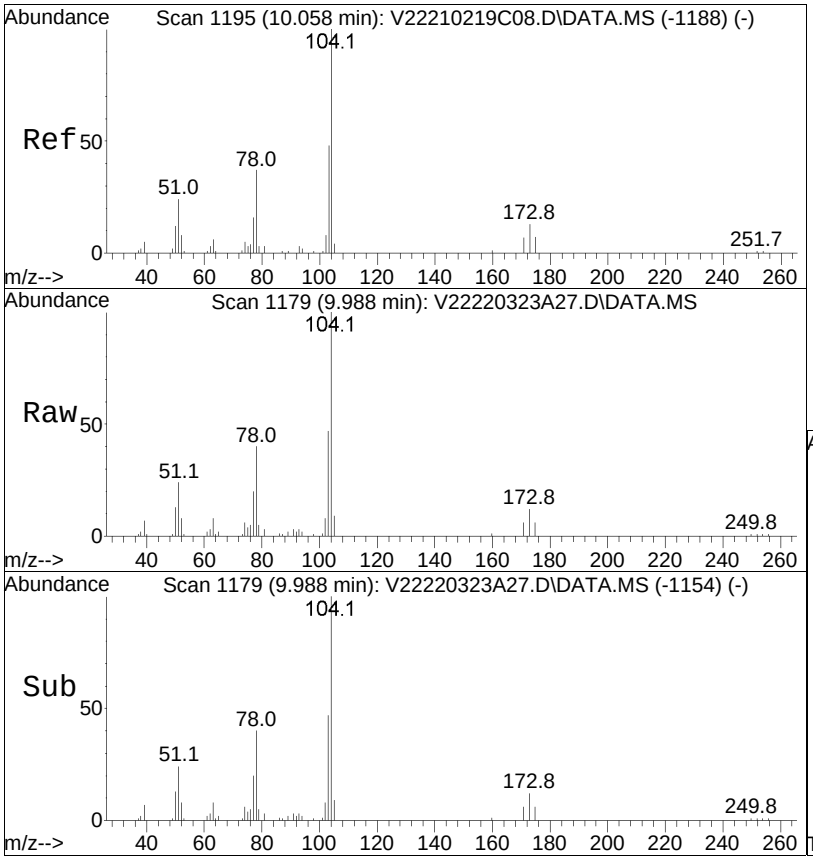


#82
Styrene
Concen: 21.08 ug/L
RT: 9.980 min Scan# 1178
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:104 Resp: 364520

Ion	Ratio	Lower	Upper
104	100		
78	40.6	32.1	48.1

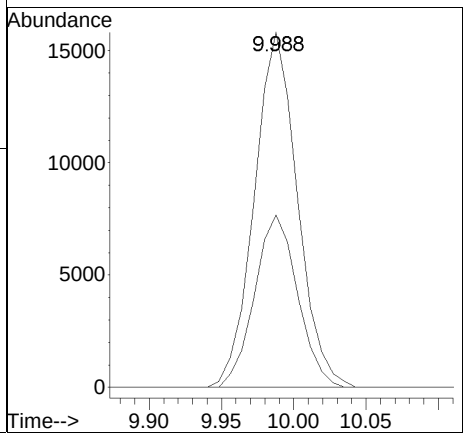


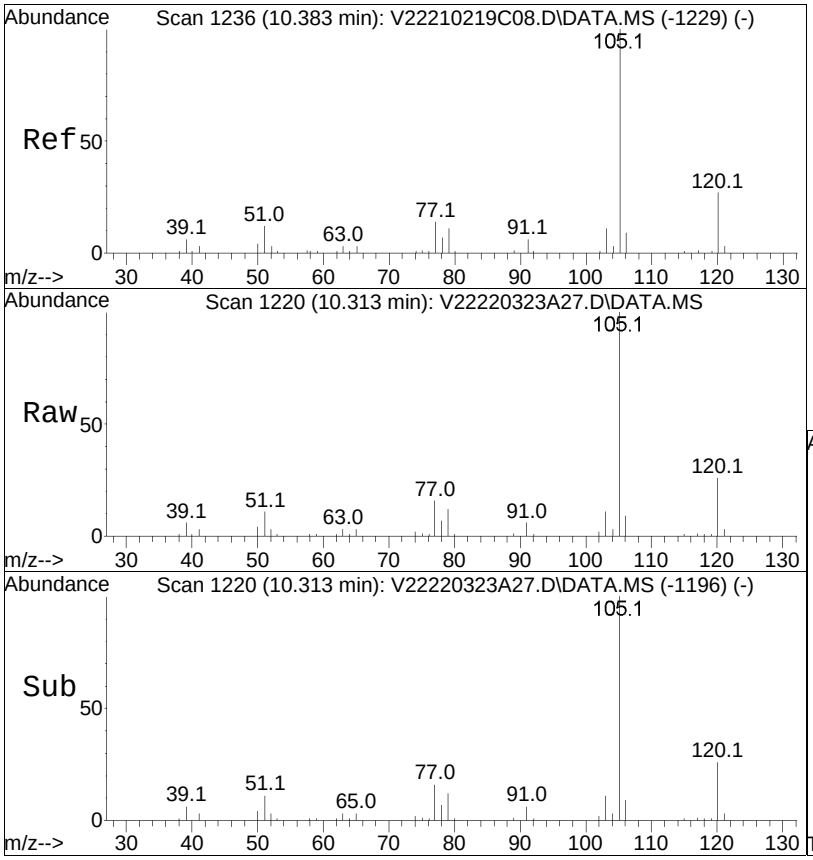


#84
Bromoform
Concen: 9.58 ug/L
RT: 9.988 min Scan# 1179
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:173 Resp: 32808

Ion	Ratio	Lower	Upper
173	100		
175	48.4	29.3	69.3

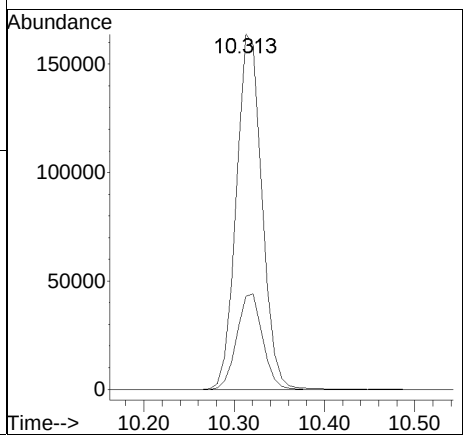


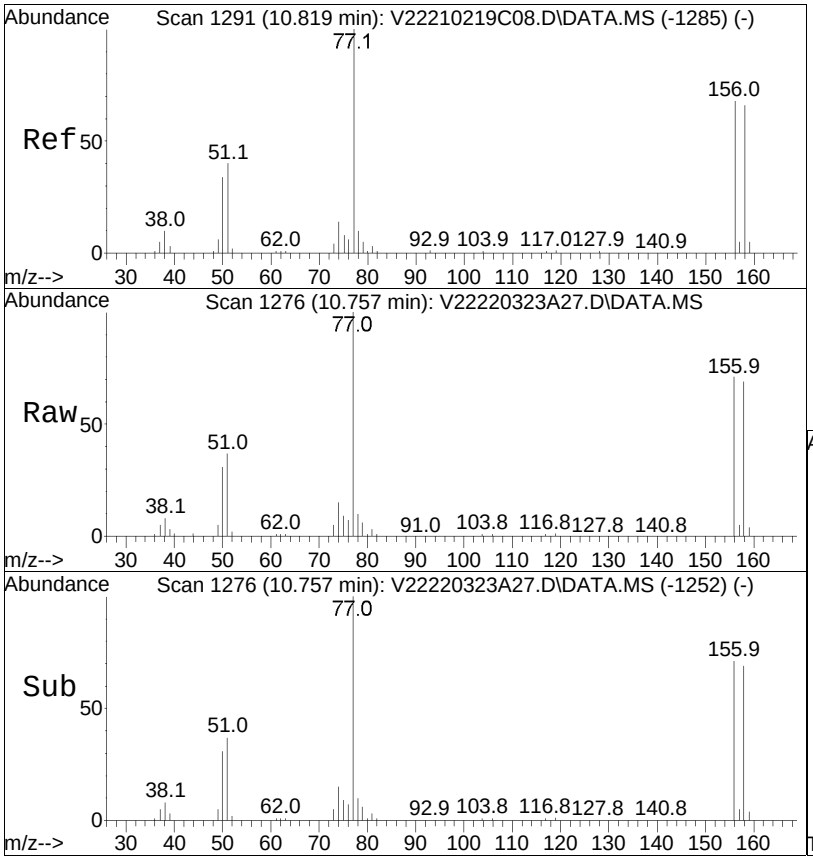


#86
Isopropylbenzene
Concen: 10.49 ug/L
RT: 10.313 min Scan# 1220
Delta R.T. -0.008 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:105 Resp: 322997

Ion	Ratio	Lower	Upper
105	100		
120	26.9	7.7	47.7

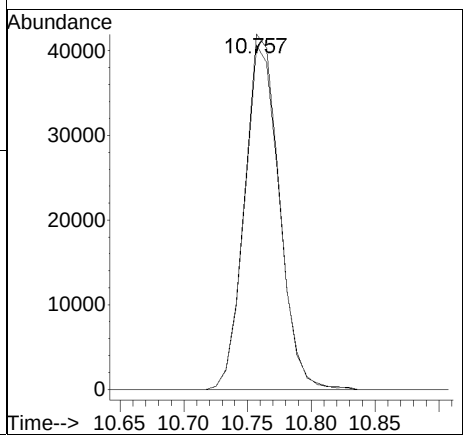


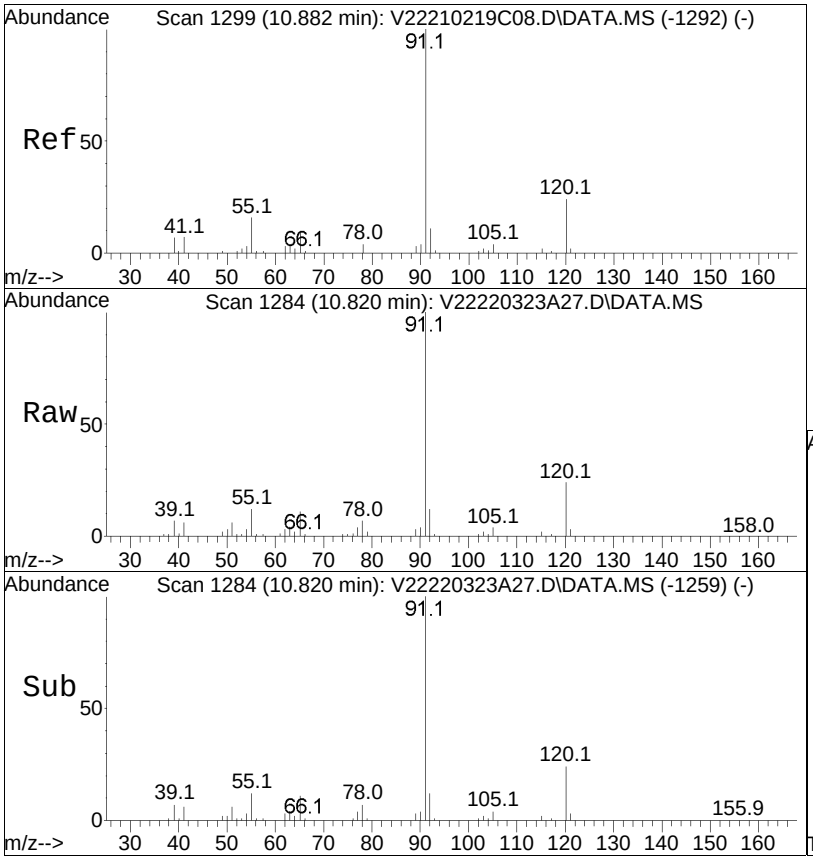


#88
Bromobenzene
Concen: 10.96 ug/L
RT: 10.757 min Scan# 1276
Delta R.T. -0.008 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:156 Resp: 79369

Ion	Ratio	Lower	Upper
156	100		
158	97.3	77.9	116.9

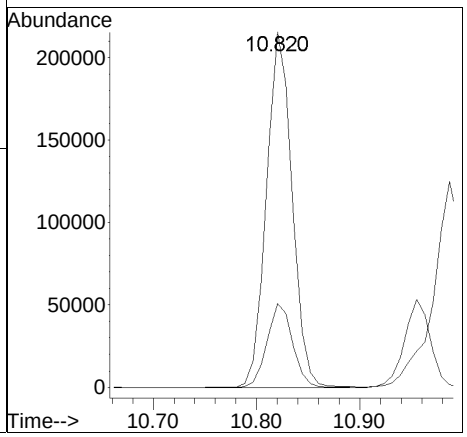


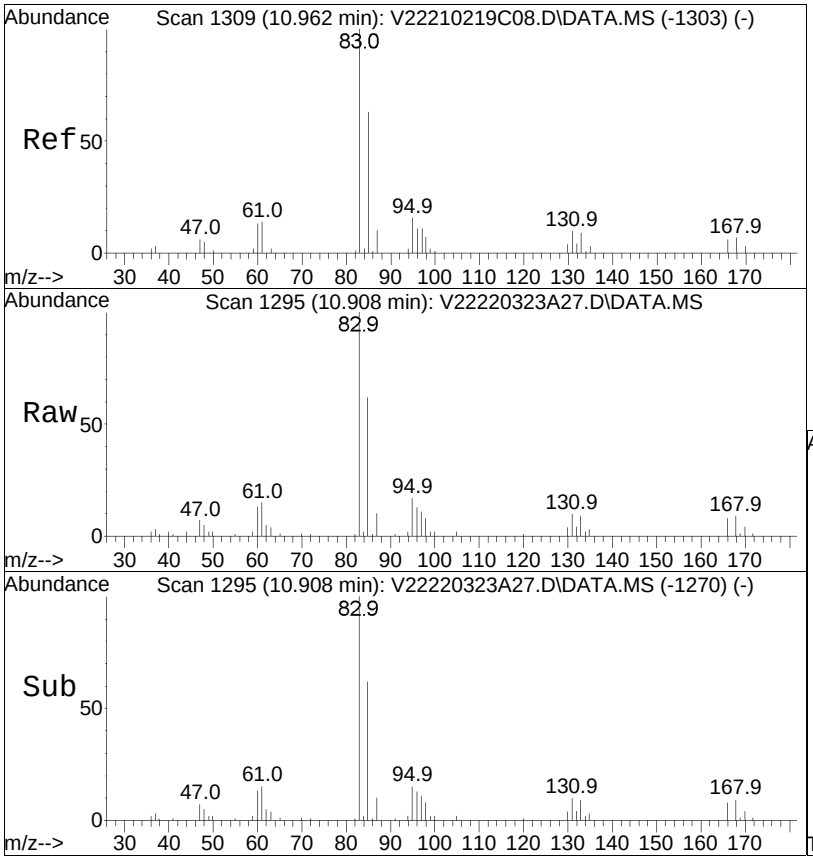


#89
n-Propylbenzene
Concen: 10.45 ug/L
RT: 10.820 min Scan# 1284
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 91 Resp: 372348

Ion	Ratio	Lower	Upper
91	100		
120	23.4	19.5	29.3

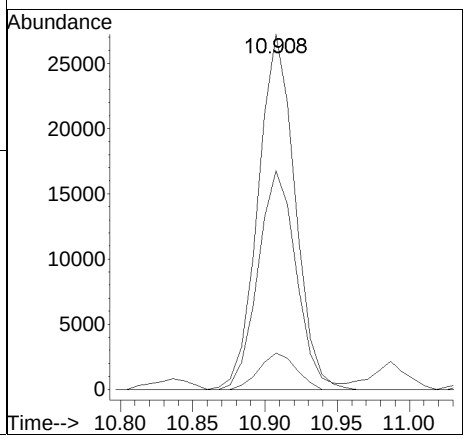


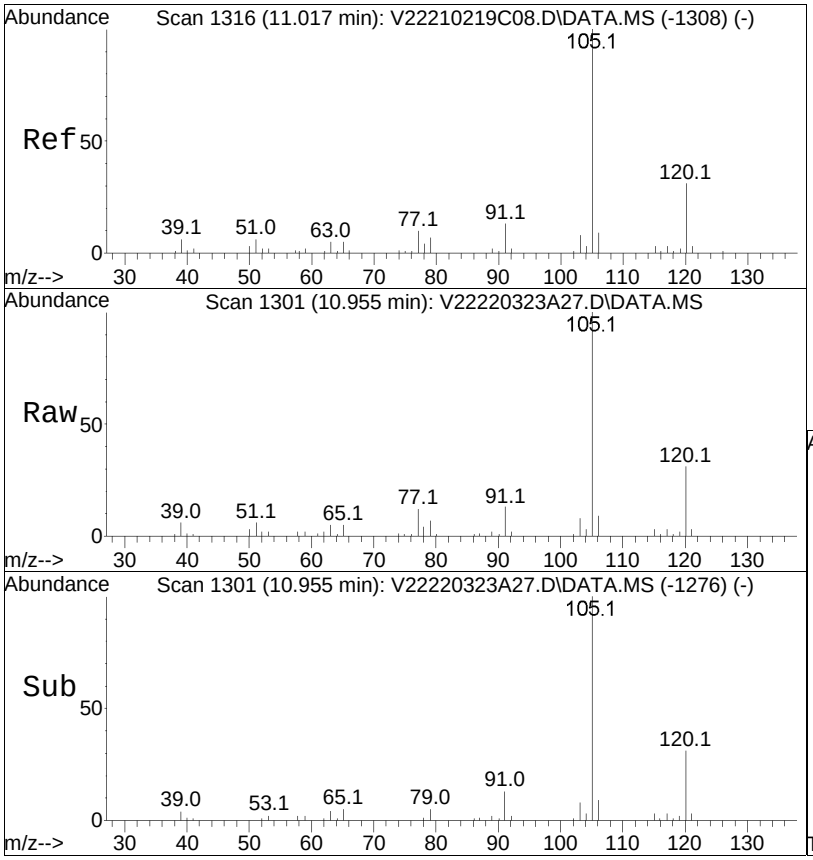


#91
1,1,2,2-Tetrachloroethane
Concen: 9.99 ug/L
RT: 10.908 min Scan# 1295
Delta R.T. 0.001 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 83 Resp: 48352

Ion	Ratio	Lower	Upper
83	100		
131	10.3	0.0	30.8
85	64.1	45.4	85.4

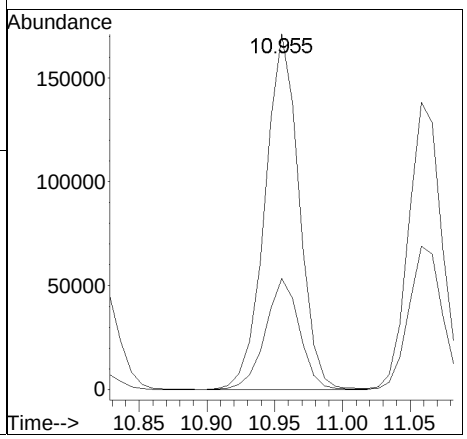


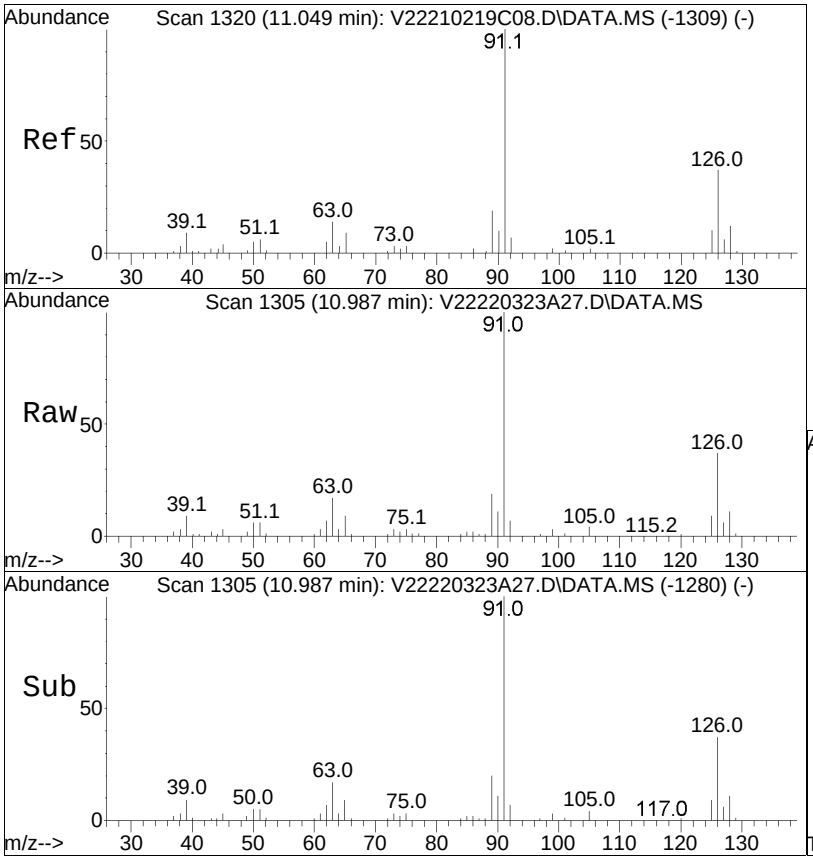


#92
4-Ethyltoluene
Concen: 10.07 ug/L
RT: 10.955 min Scan# 1301
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:105 Resp: 299725

Ion	Ratio	Lower	Upper
105	100		
120	31.2	19.8	41.0

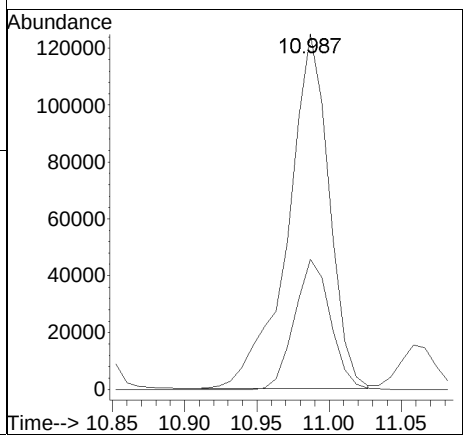


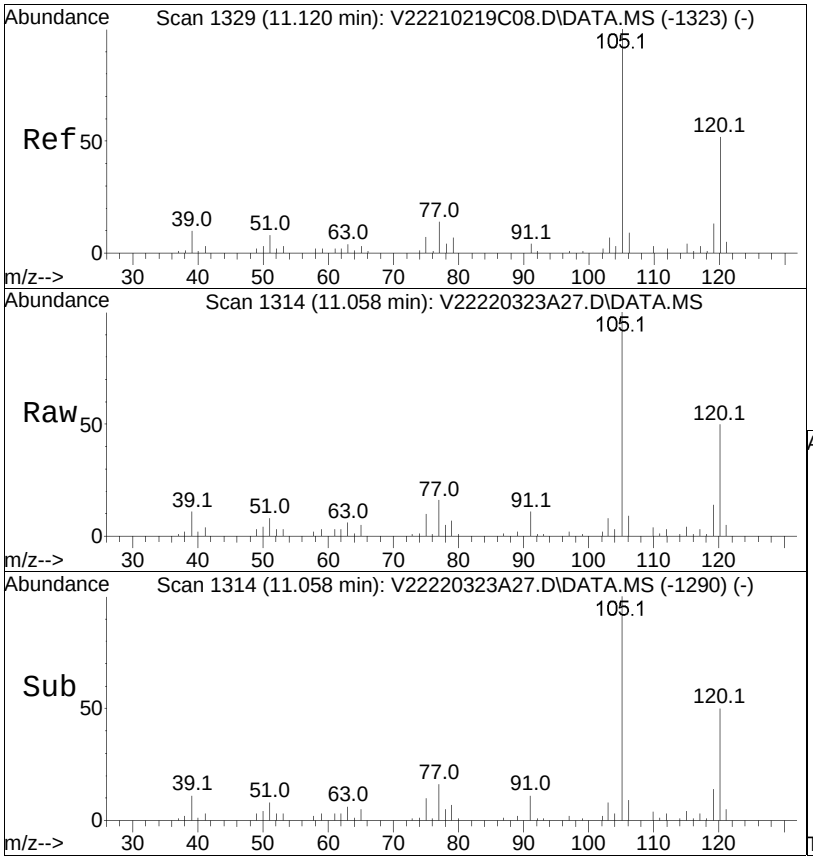


#93
2-Chlorotoluene
Concen: 10.19 ug/L
RT: 10.987 min Scan# 1305
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 91 Resp: 247775

Ion	Ratio	Lower	Upper
91	100		
126	31.9	24.6	37.0

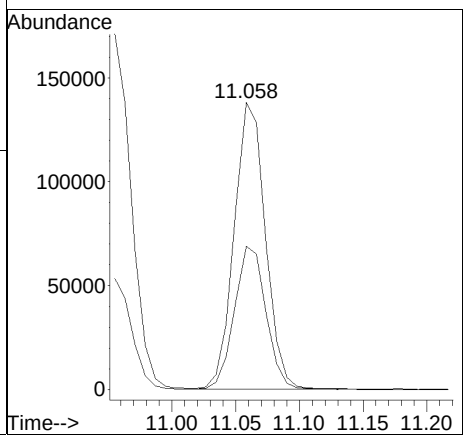


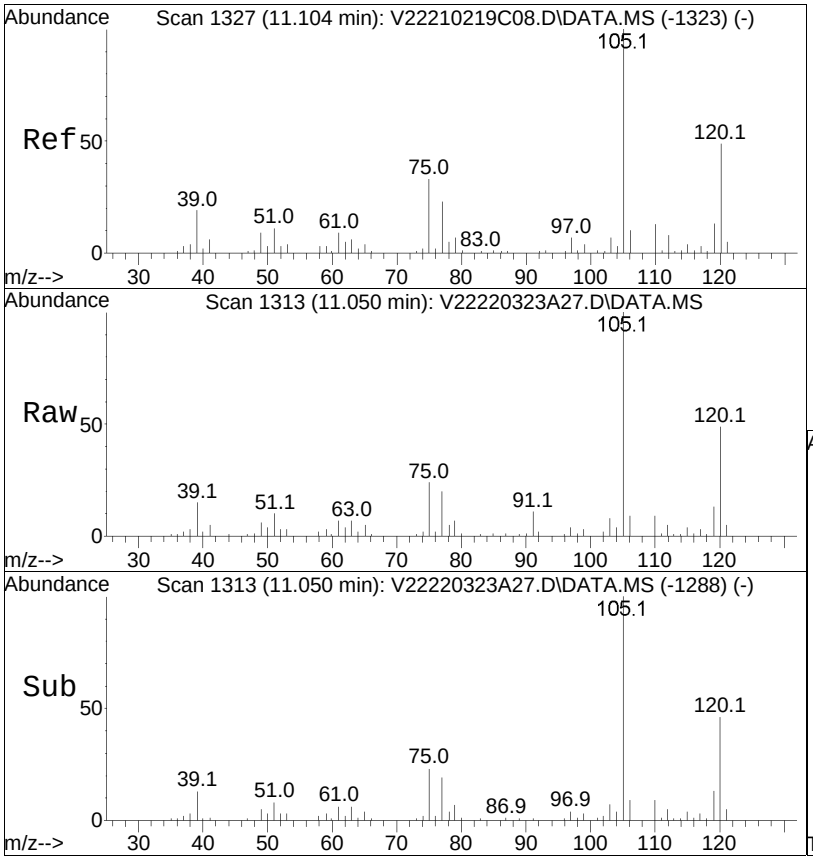


#94
1,3,5-Trimethylbenzene
Concen: 9.42 ug/L
RT: 11.058 min Scan# 1314
Delta R.T. -0.008 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:105 Resp: 235631

Ion	Ratio	Lower	Upper
105	100		
120	50.5	40.9	61.3

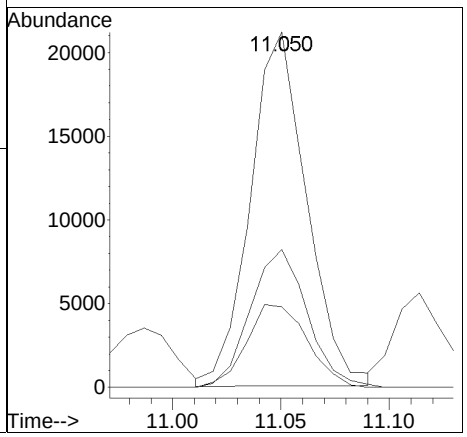


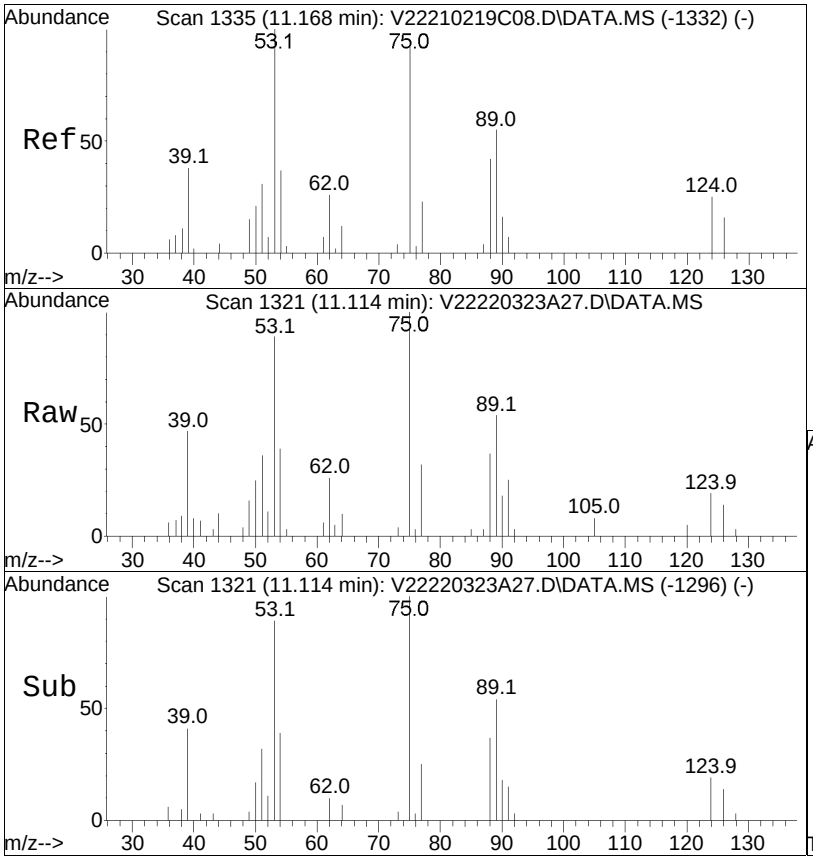


#95
1,2,3-Trichloropropane
Concen: 9.61 ug/L
RT: 11.050 min Scan# 1313
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 75 Resp: 38152

Ion	Ratio	Lower	Upper
75	100		
110	39.5	26.3	54.7
112	25.5	16.8	35.0

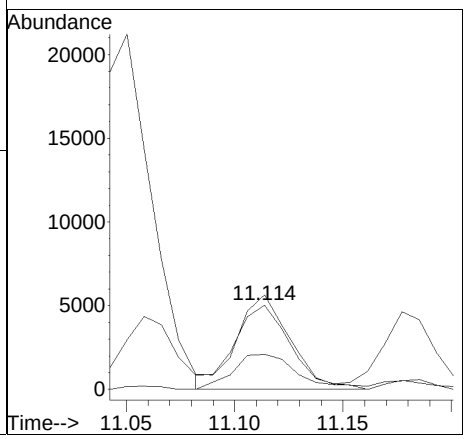


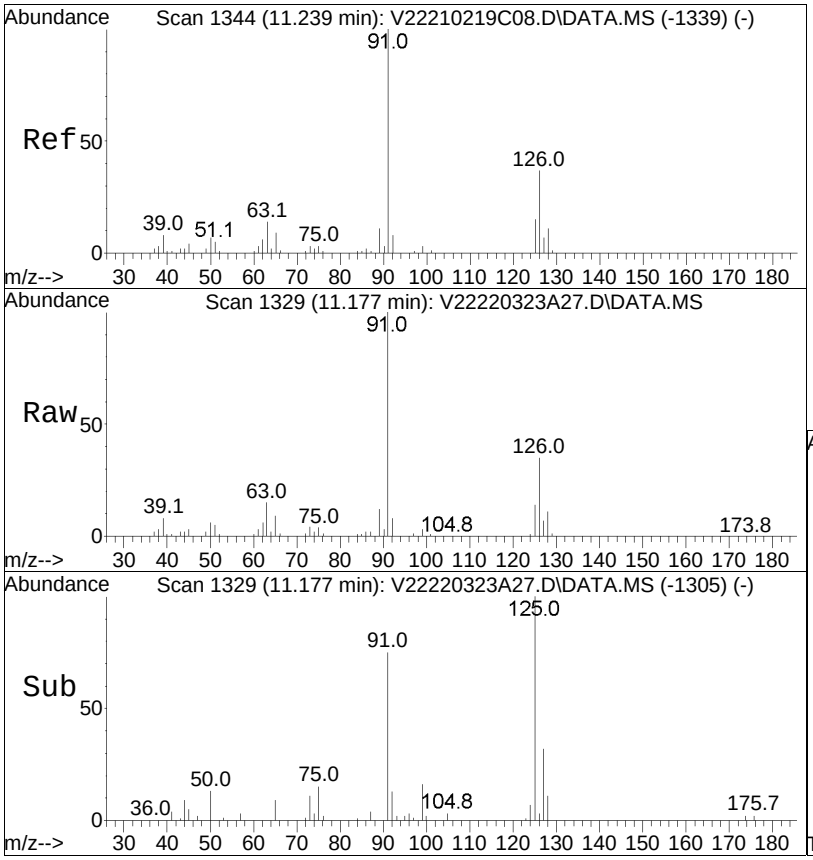


#96
trans-1,4-Dichloro-2-butene
Concen: 5.97 ug/L
RT: 11.114 min Scan# 1321
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 53 Resp: 9125

Ion	Ratio	Lower	Upper
53	100		
88	48.3	46.3	69.5
75	96.7	109.0	163.4#

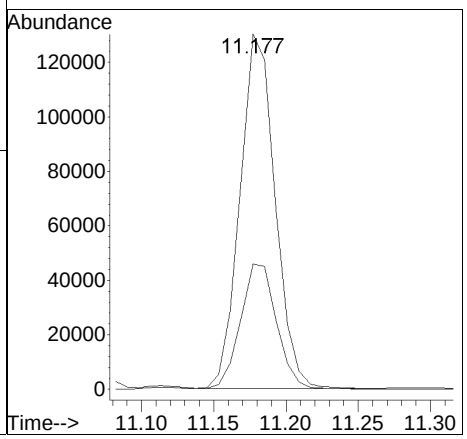


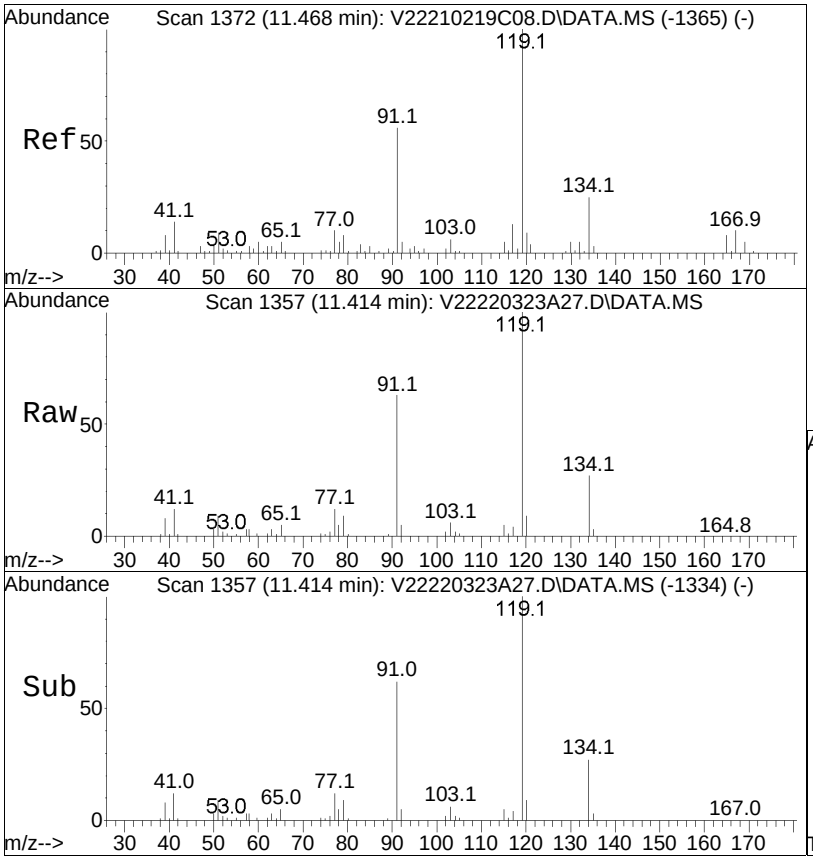


#97
4-Chlorotoluene
Concen: 10.11 ug/L
RT: 11.177 min Scan# 1329
Delta R.T. -0.008 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 91 Resp: 219881

Ion	Ratio	Lower	Upper
91	100		
126	36.7	28.5	42.7

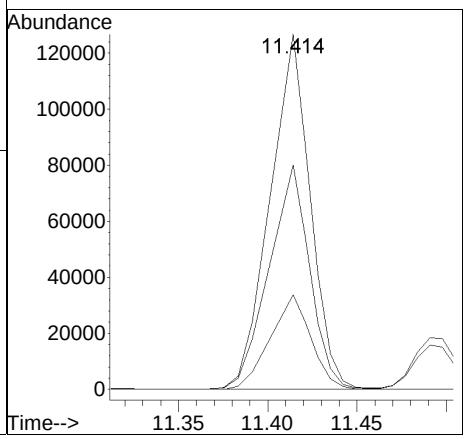


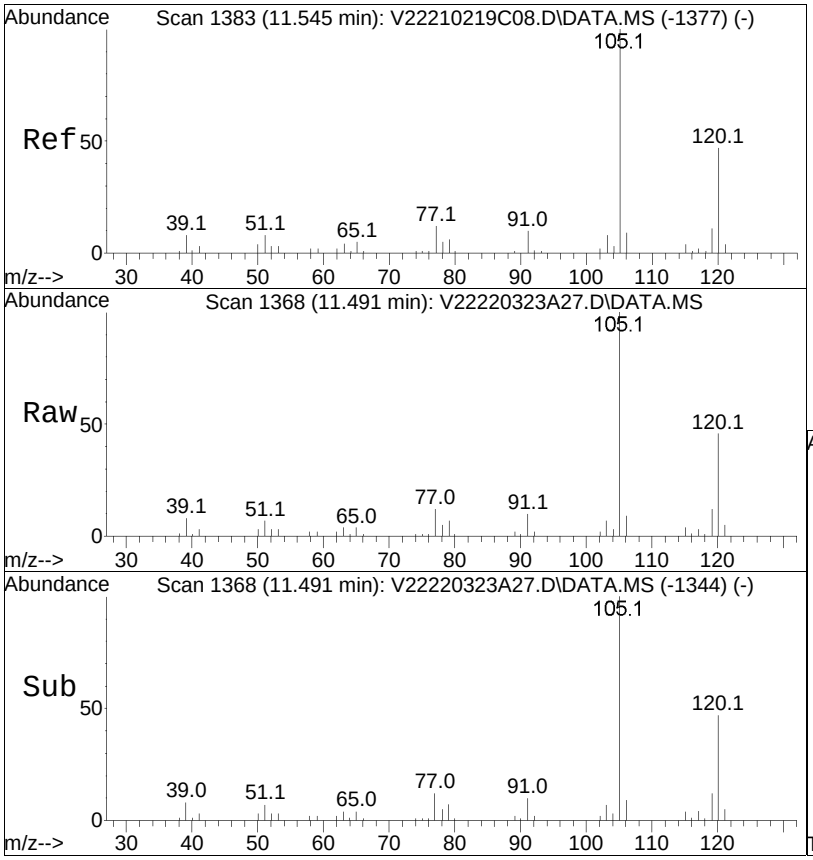


#98
tert-Butylbenzene
Concen: 8.89 ug/L
RT: 11.414 min Scan# 1357
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:119 Resp: 158068

Ion	Ratio	Lower	Upper
119	100		
91	62.9	50.2	75.4
134	26.8	20.8	31.2

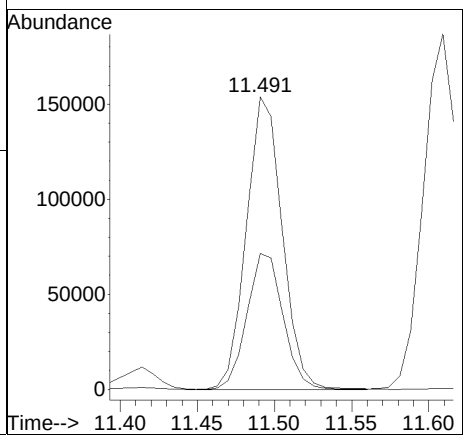


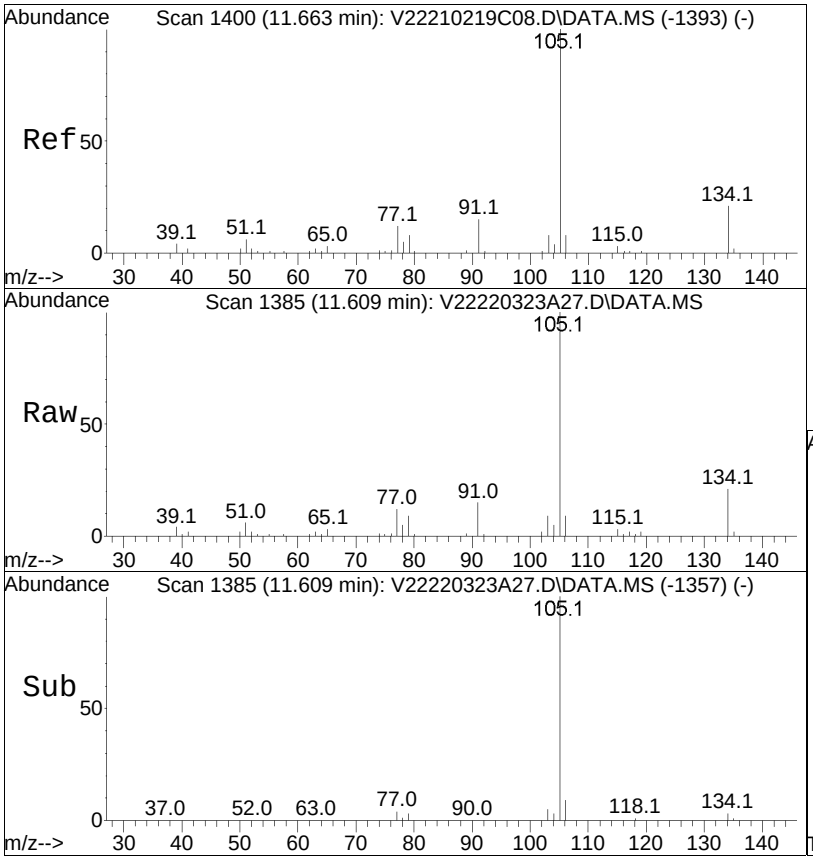


#101
1,2,4-Trimethylbenzene
Concen: 10.11 ug/L
RT: 11.491 min Scan# 1368
Delta R.T. -0.007 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:105 Resp: 248575

Ion	Ratio	Lower	Upper
105	100		
120	46.9	38.5	57.7

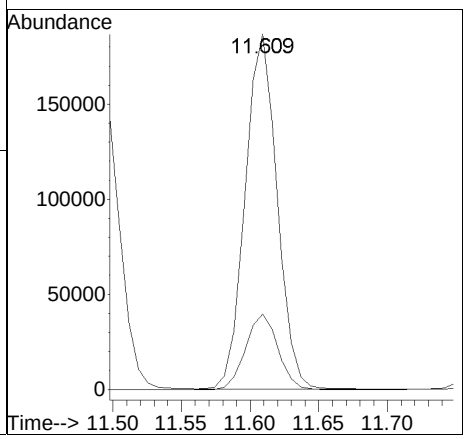


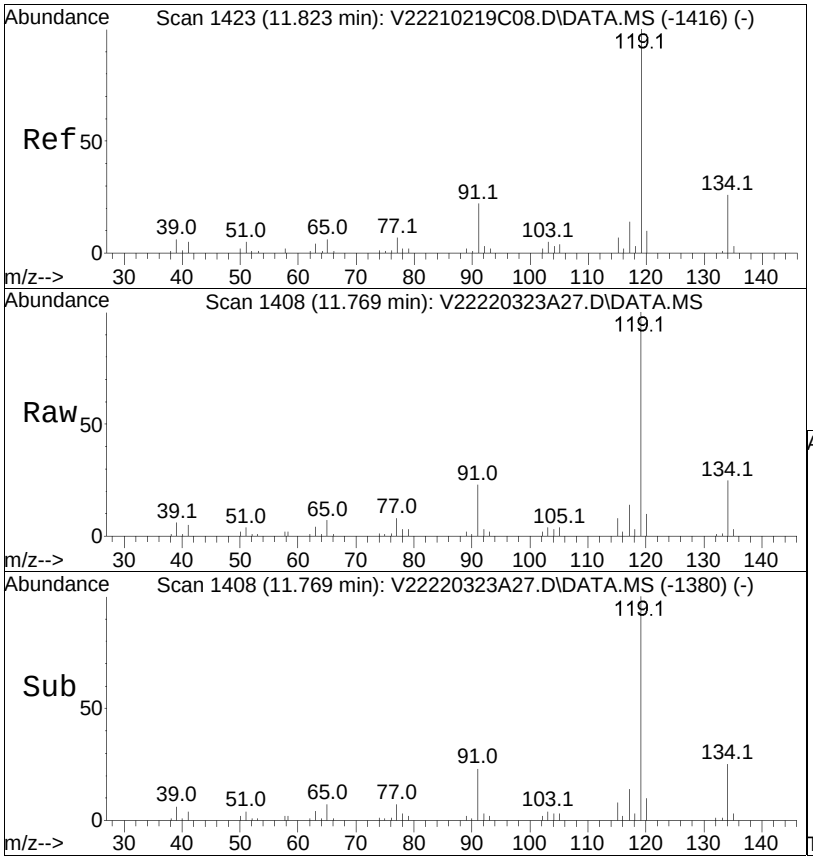


#102
sec-Butylbenzene
Concen: 9.55 ug/L
RT: 11.609 min Scan# 1385
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:105 Resp: 301680

Ion	Ratio	Lower	Upper
105	100		
134	21.3	13.9	28.9

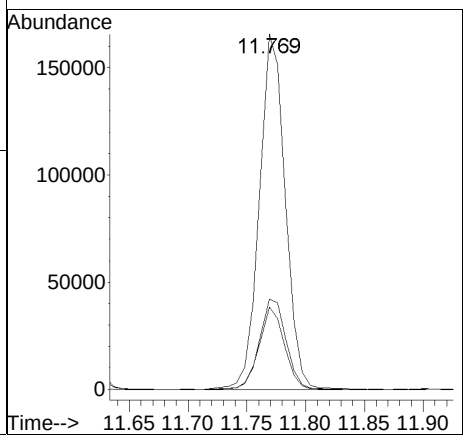


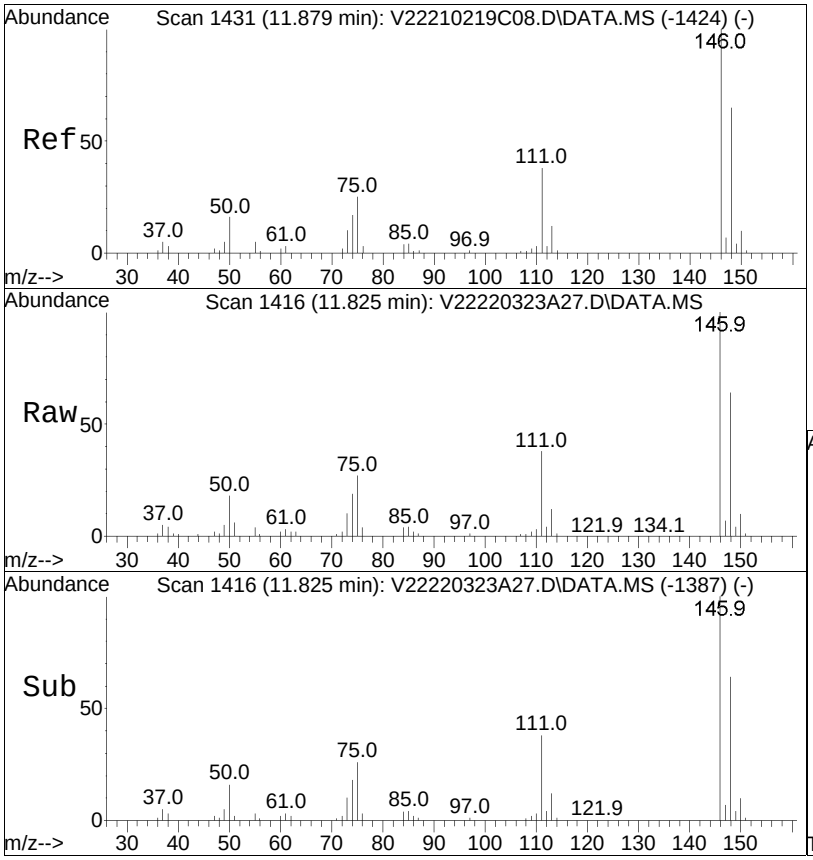


#103
p-Isopropyltoluene
Concen: 9.32 ug/L
RT: 11.769 min Scan# 1408
Delta R.T. -0.007 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:119 Resp: 254015

Ion	Ratio	Lower	Upper
119	100		
134	26.2	17.7	36.7
91	22.8	14.1	29.3

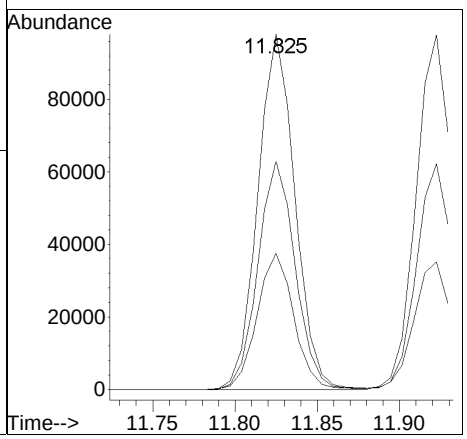


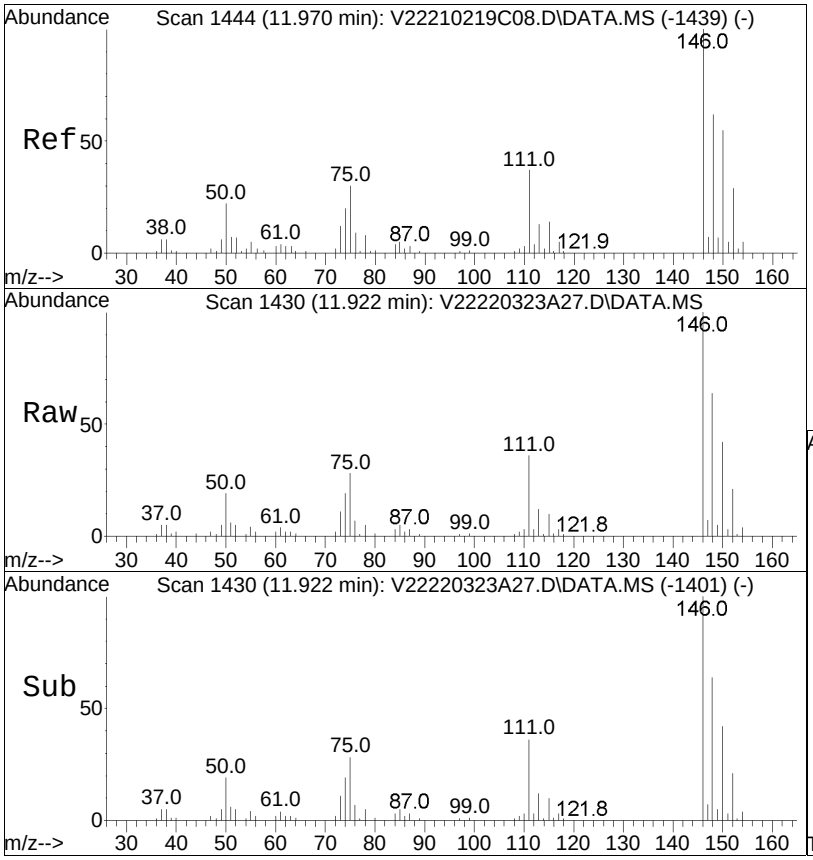


#104
1,3-Dichlorobenzene
Concen: 10.52 ug/L
RT: 11.825 min Scan# 1416
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:146 Resp: 153197

Ion	Ratio	Lower	Upper
146	100		
111	38.1	24.0	49.8
148	64.6	41.8	86.8

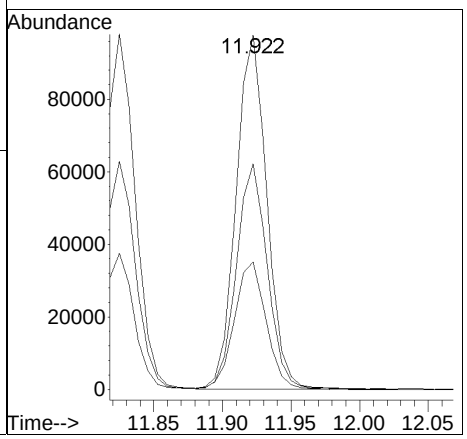


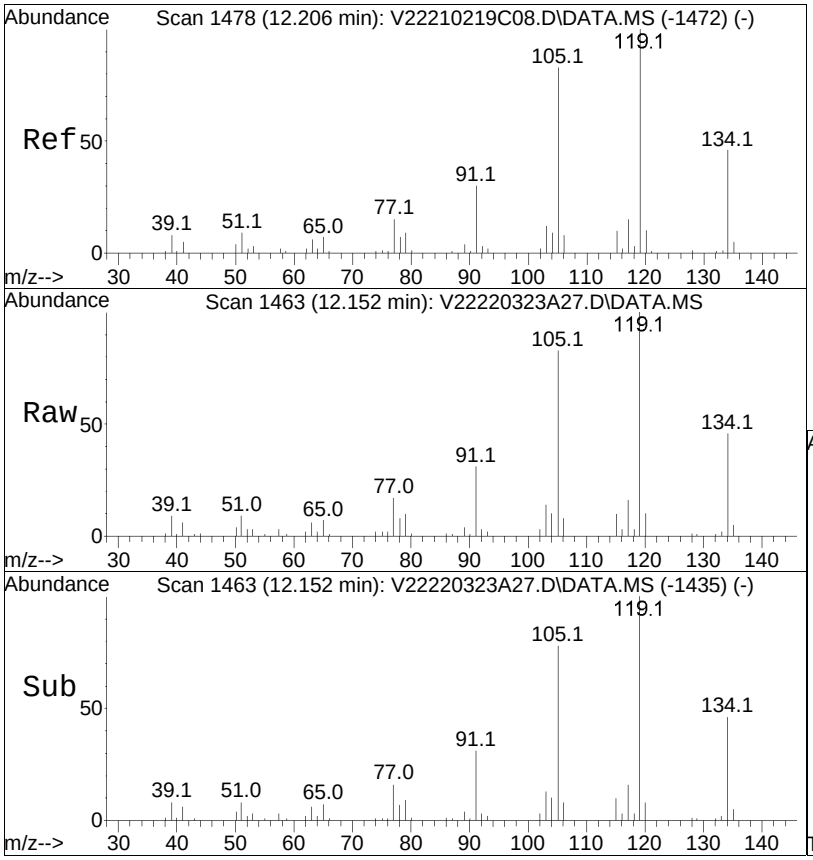


#105
1,4-Dichlorobenzene
Concen: 10.33 ug/L
RT: 11.922 min Scan# 1430
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:146 Resp: 152075

Ion	Ratio	Lower	Upper
146	100		
111	37.5	28.9	43.3
148	64.6	51.4	77.2

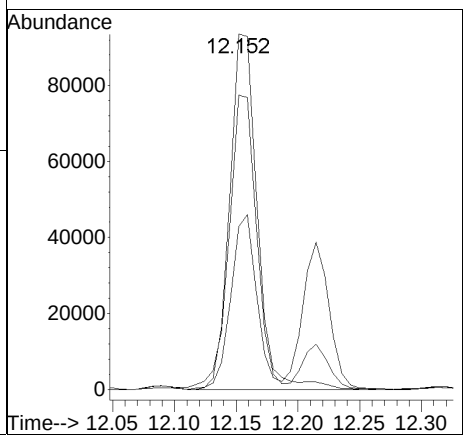


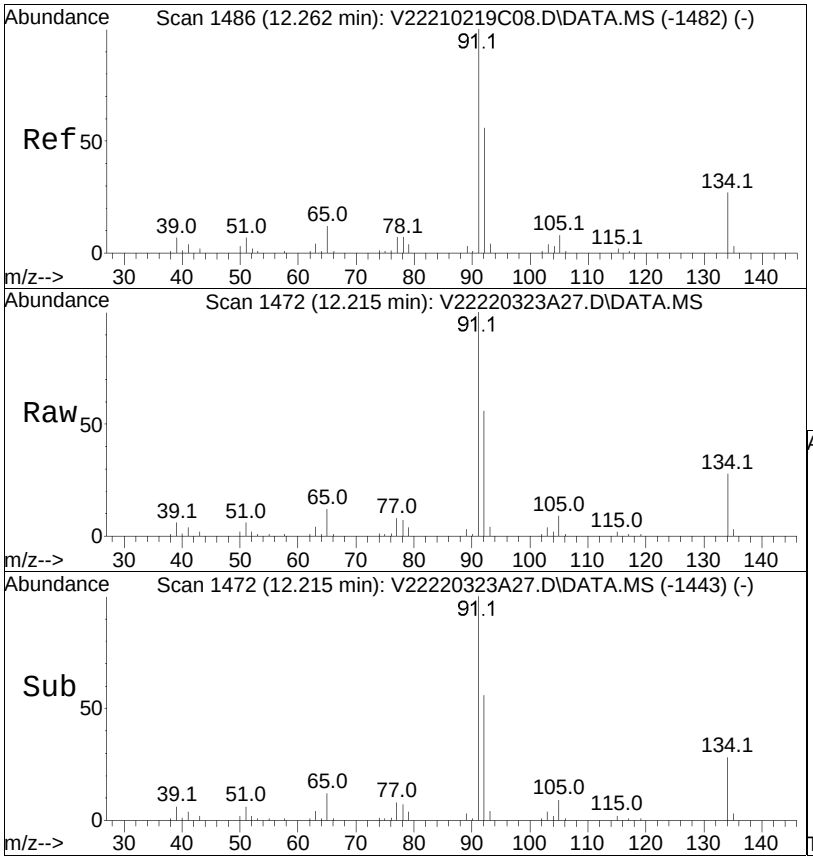


#106
p-Diethylbenzene
Concen: 9.21 ug/L
RT: 12.152 min Scan# 1463
Delta R.T. -0.007 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:119 Resp: 145900

Ion	Ratio	Lower	Upper
119	100		
105	81.2	53.4	110.8
134	46.6	30.9	64.1

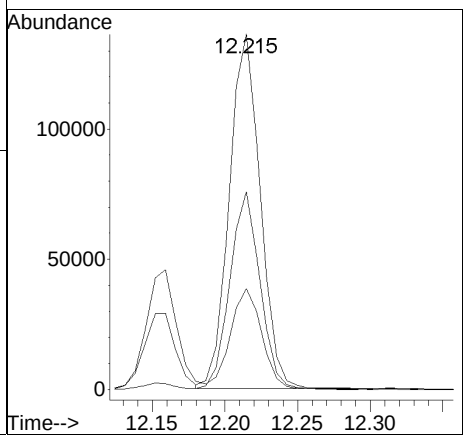


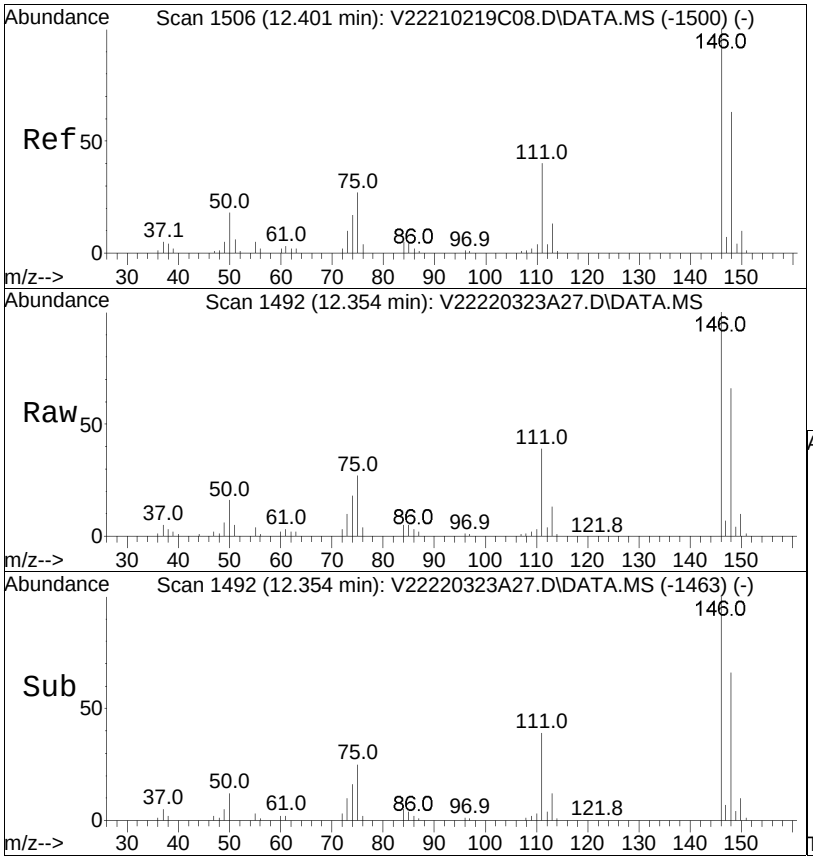


#107
n-Butylbenzene
Concen: 9.19 ug/L
RT: 12.215 min Scan# 1472
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion: 91 Resp: 201762

Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.6	66.8
134	28.8	22.9	34.3

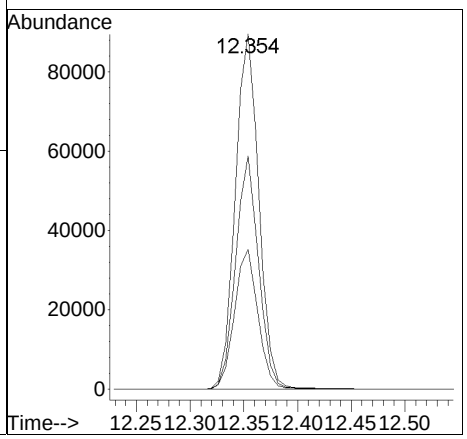


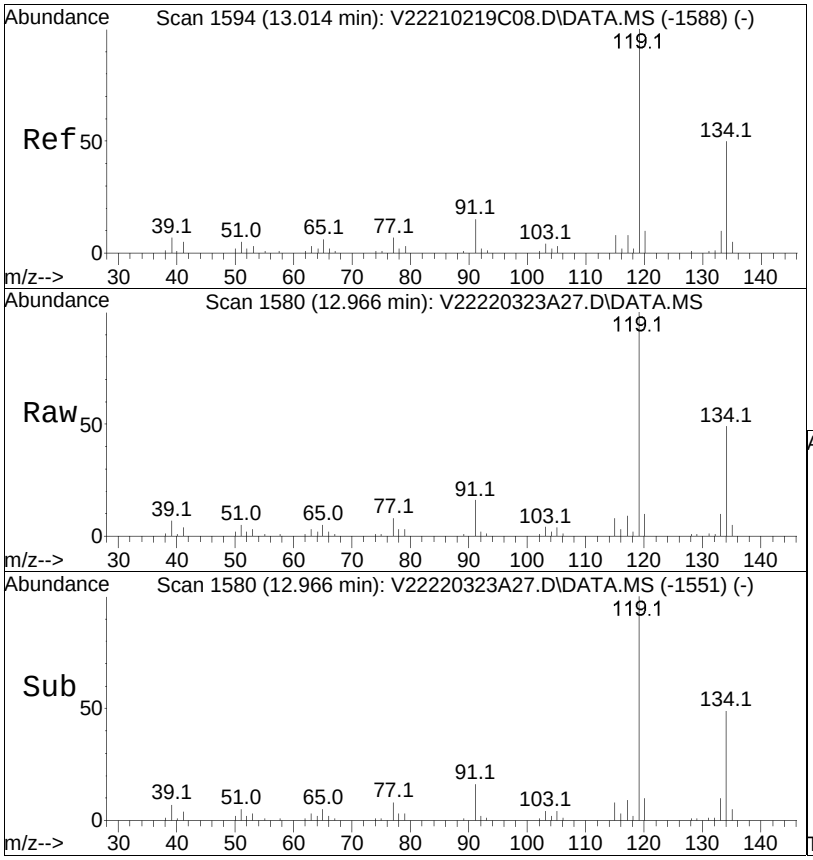


#108
1,2-Dichlorobenzene
Concen: 10.34 ug/L
RT: 12.354 min Scan# 1492
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:146 Resp: 137089

Ion	Ratio	Lower	Upper
146	100		
111	39.3	24.8	51.6
148	63.8	42.2	87.6

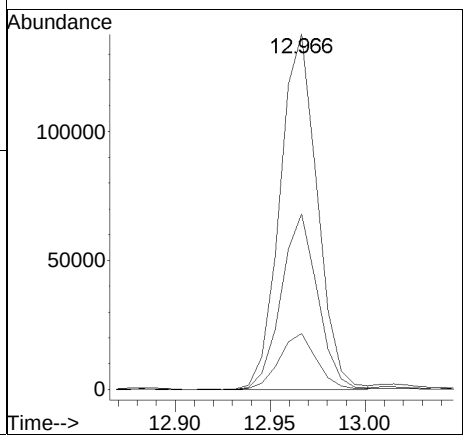


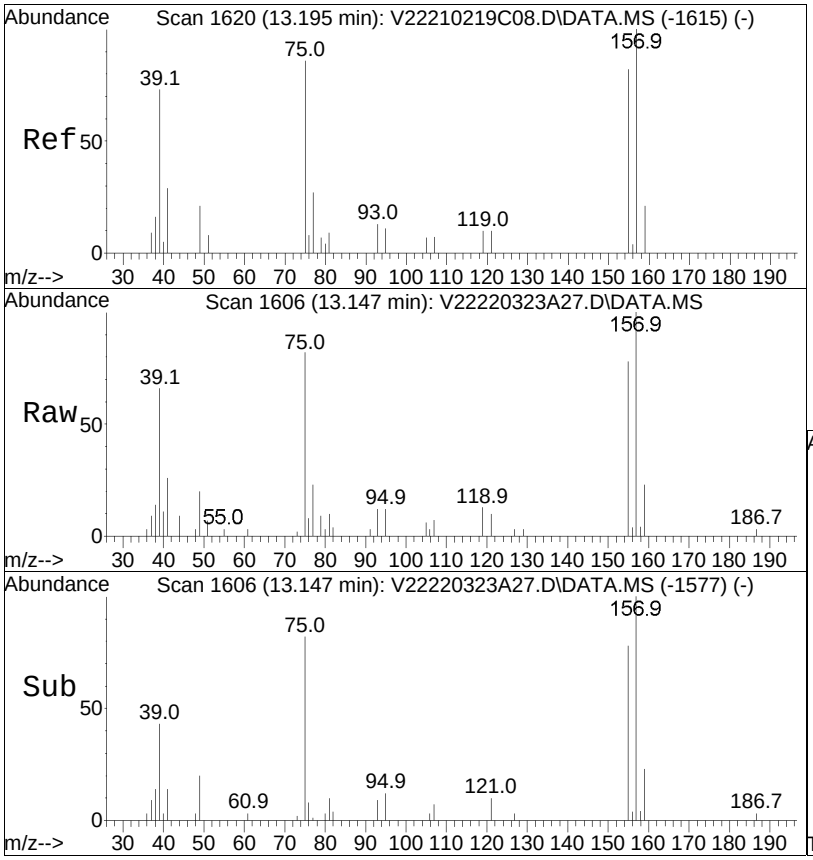


#109
1,2,4,5-Tetramethylbenzene
Concen: 8.10 ug/L
RT: 12.966 min Scan# 1580
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:119 Resp: 187928

Ion	Ratio	Lower	Upper
119	100		
134	48.2	31.9	66.1
91	16.2	9.8	20.3

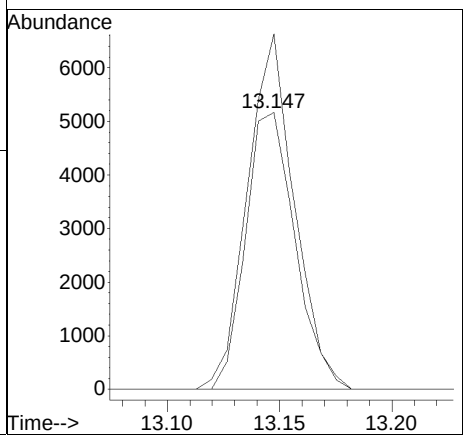


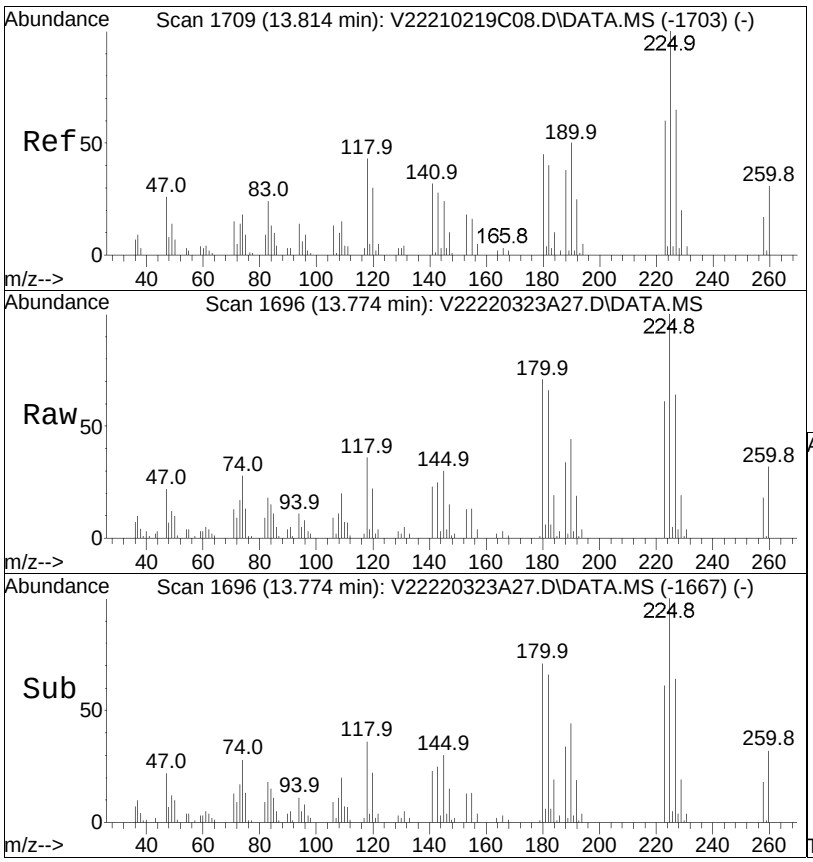


#110
1,2-Dibromo-3-chloropropane
Concen: 9.59 ug/L
RT: 13.147 min Scan# 1606
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:155 Resp: 7921

Ion	Ratio	Lower	Upper
155	100		
157	121.8	102.3	153.5

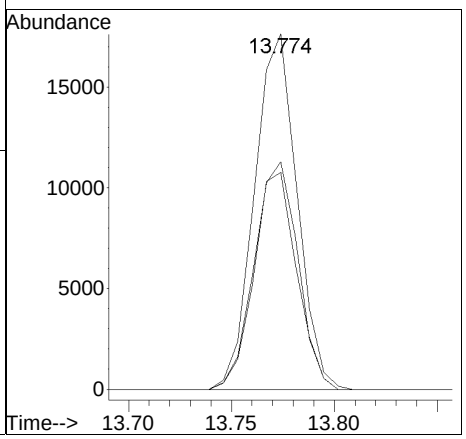


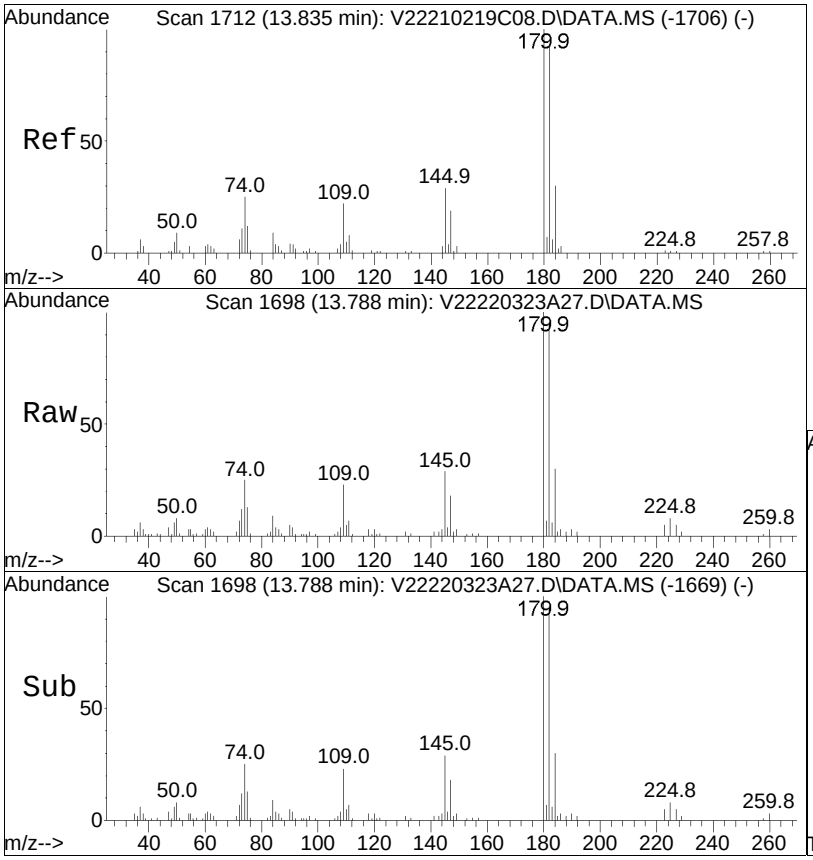


#112
Hexachlorobutadiene
Concen: 8.17 ug/L
RT: 13.774 min Scan# 1696
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:225 Resp: 25435

Ion	Ratio	Lower	Upper
225	100		
223	61.6	49.8	74.8
227	65.4	52.2	78.4

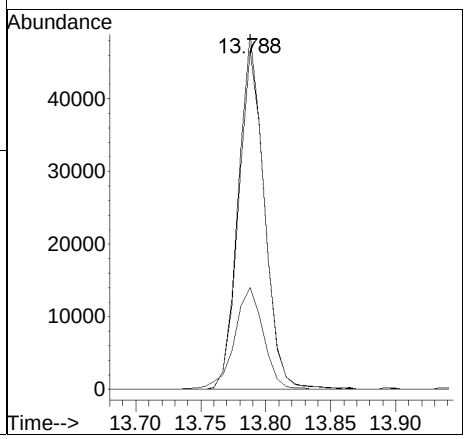


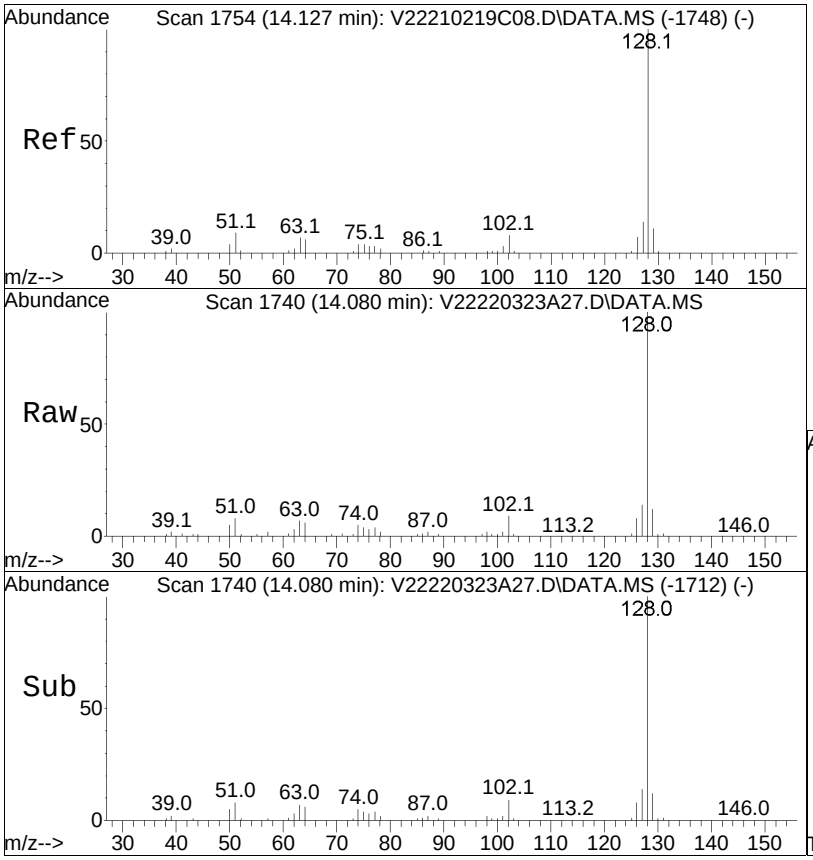


#113
1,2,4-Trichlorobenzene
Concen: 8.80 ug/L
RT: 13.788 min Scan# 1698
Delta R.T. -0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:180 Resp: 67827

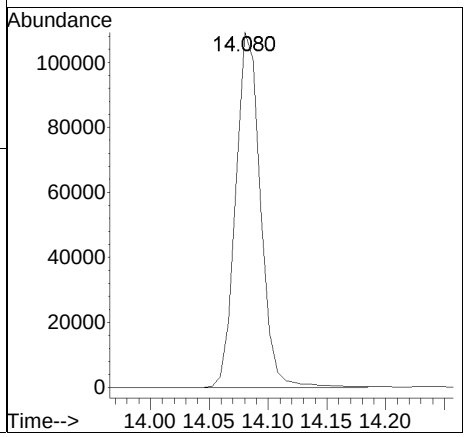
Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.6	114.8
145	32.0	25.5	38.3

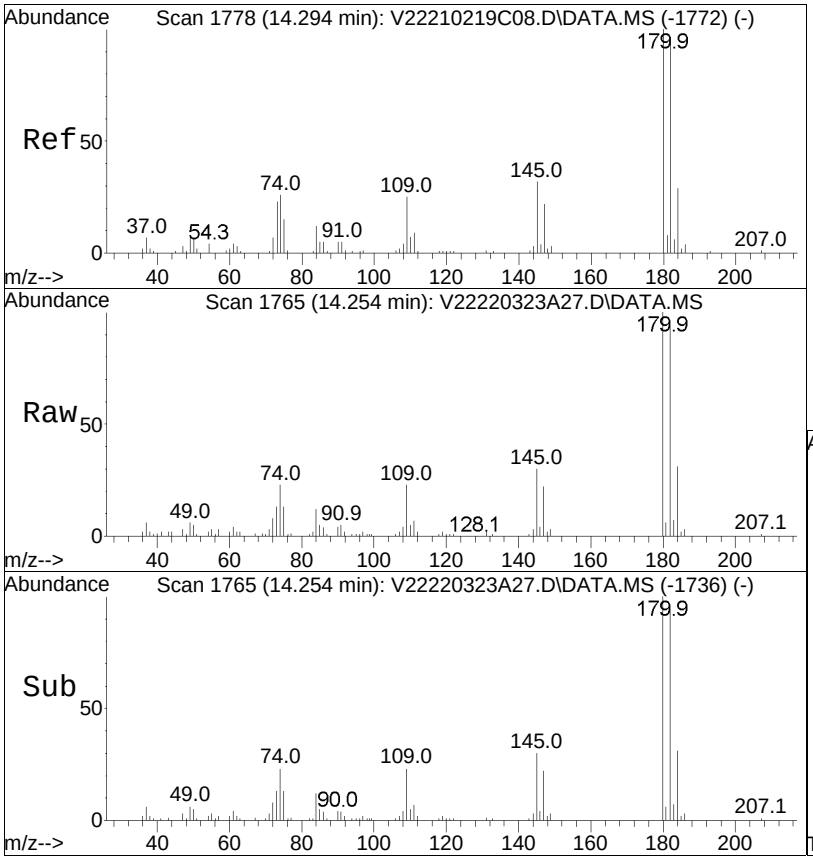




#114
Naphthalene
Concen: 9.16 ug/L
RT: 14.080 min Scan# 1740
Delta R.T. -0.007 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:128 Resp: 159960

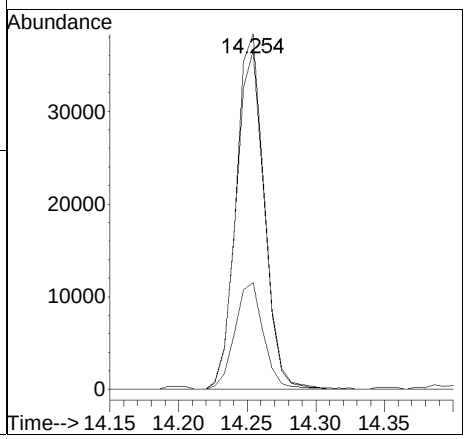




#115
1,2,3-Trichlorobenzene
Concen: 8.32 ug/L
RT: 14.254 min Scan# 1765
Delta R.T. 0.000 min
Lab File: V22220323A27.D
Acq: 23 Mar 2022 08:03 pm

Tgt Ion:180 Resp: 55074

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.0	114.0
145	30.6	23.8	35.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2	QMethod	: V122_220128N_8260D.m
Data File	: V22220323A27.D	Operator	: VOA122:KJD
Date Inj'd	: 3/23/2022 8:03 pm	Instrument	: VOA122
Sample	: WG1619277-6,31,10,10,,A1	Quant Date	: 3/24/2022 10:49 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A28.D
Acq On : 23 Mar 2022 08:27 pm
Operator : VOA122:KJD
Sample : WG1619277-7,31,10,10,,A2
Misc : WG1619277,ICAL18716
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 24 10:49:06 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.602	96	243453	10.000	ug/L	0.00
Standard Area 1 = 208471			Recovery = 116.78%			
62) Chlorobenzene-d5	9.107	117	216074	10.000	ug/L	0.00
Standard Area 1 = 173941			Recovery = 124.22%			
83) 1,4-Dichlorobenzene-d4	11.908	152	123775	10.000	ug/L	0.00
Standard Area 1 = 105828			Recovery = 116.96%			
System Monitoring Compounds						
38) Dibromofluoromethane	4.802	113	83003	10.790	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.90%			
46) 1,2-Dichloroethane-d4	5.314	65	78293	10.376	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.76%			
63) Toluene-d8	7.276	98	257519	9.664	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.64%			
87) 4-Bromofluorobenzene	10.646	95	101303	9.063	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.63%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.449	85	67041	10.441	ug/L	97
3) Chloromethane	1.623	50	71945	11.887	ug/L	97
4) Vinyl chloride	1.679	62	99226	15.841	ug/L	99
5) Bromomethane	1.951	94	22412	9.162	ug/L	97
6) Chloroethane	2.056	64	89537	22.534	ug/L	91
7) Trichlorofluoromethane	2.188	101	122447	13.221	ug/L	98
8) Ethyl ether	2.467	74	26746	10.696	ug/L #	1
10) 1,1-Dichloroethene	2.648	96	68419	13.310	ug/L	83
11) Carbon disulfide	2.669	76	167232	12.120	ug/L	99
15) Methylene chloride	3.164	84	70463	12.091	ug/L	79
17) Acetone	3.206	43	12377	12.071	ug/L	98
18) trans-1,2-Dichloroethene	3.310	96	73128	13.173	ug/L	89
21) Methyl tert-butyl ether	3.408	73	94987	9.405	ug/L	91
25) 1,1-Dichloroethane	3.875	63	134641	13.062	ug/L	98
27) Acrylonitrile	3.917	53	15021	11.650	ug/L	96
29) Vinyl acetate	4.105	43	72783	10.038	ug/L #	92
30) cis-1,2-Dichloroethene	4.370	96	84508	13.499	ug/L	88
31) 2,2-Dichloropropane	4.475	77	83952	10.853	ug/L	89
32) Bromochloromethane	4.558	128	35749	12.440	ug/L #	83
34) Chloroform	4.628	83	128902	11.926	ug/L	96

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A28.D
Acq On : 23 Mar 2022 08:27 pm
Operator : VOA122:KJD
Sample : WG1619277-7,31,10,10,,A2
Misc : WG1619277,ICAL18716
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 24 10:49:06 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	4.767	117	104863	13.150	ug/L		99
39) 1,1,1-Trichloroethane	4.830	97	110028	12.125	ug/L		95
41) 2-Butanone	4.921	43	16018	11.534	ug/L	#	82
42) 1,1-Dichloropropene	4.949	75	88909	12.363	ug/L		98
44) Benzene	5.189	78	229222	12.141	ug/L		95
47) 1,2-Dichloroethane	5.388	62	79429	11.756	ug/L		98
51) Trichloroethene	5.779	95	65999	12.548	ug/L		99
53) Dibromomethane	6.215	93	23054	11.411	ug/L		92
54) 1,2-Dichloropropane	6.311	63	57791	12.113	ug/L		98
57) Bromodichloromethane	6.377	83	81542	11.389	ug/L		99
60) 1,4-Dioxane	6.591	88	15836	474.846	ug/L	#	75
61) cis-1,3-Dichloropropene	7.069	75	71168	10.179	ug/L	#	91
64) Toluene	7.335	92	155397	11.128	ug/L		98
65) 4-Methyl-2-pentanone	7.769	58	11620	10.108	ug/L		82
66) Tetrachloroethene	7.777	166	88448	13.419	ug/L		96
68) trans-1,3-Dichloropropene	7.813	75	57380	7.740	ug/L		91
71) 1,1,2-Trichloroethane	7.998	83	30823	9.627	ug/L		97
72) Chlorodibromomethane	8.197	129	38008	10.296	ug/L		97
73) 1,3-Dichloropropane	8.314	76	66207	10.018	ug/L		99
74) 1,2-Dibromoethane	8.473	107	39521	9.886	ug/L		99
76) 2-Hexanone	8.782	43	20624	8.707	ug/L		90
77) Chlorobenzene	9.123	112	181090	11.242	ug/L	#	88
78) Ethylbenzene	9.171	91	312953	11.112	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.210	131	52784	9.544	ug/L		98
80) p/m Xylene	9.361	106	249977	22.514	ug/L		98
81) o Xylene	9.908	106	234326	22.066	ug/L		99
82) Styrene	9.980	104	371129	21.181	ug/L		99
84) Bromoform	9.988	173	32568	9.451	ug/L		99
86) Isopropylbenzene	10.313	105	322075	10.397	ug/L		99
88) Bromobenzene	10.757	156	79847	10.953	ug/L		99
89) n-Propylbenzene	10.820	91	369464	10.306	ug/L		98
91) 1,1,2,2-Tetrachloroethane	10.908	83	49026	10.070	ug/L		99
92) 4-Ethyltoluene	10.955	105	299565	9.999	ug/L		100
93) 2-Chlorotoluene	10.987	91	250419	10.238	ug/L		98
94) 1,3,5-Trimethylbenzene	11.058	105	237063	9.415	ug/L		100
95) 1,2,3-Trichloropropane	11.050	75	39323	9.839	ug/L		97
96) trans-1,4-Dichloro-2-b...	11.114	53	9793	6.368	ug/L	#	72
97) 4-Chlorotoluene	11.177	91	224177	10.246	ug/L		98
98) tert-Butylbenzene	11.414	119	162038	9.058	ug/L		100

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A28.D
Acq On : 23 Mar 2022 08:27 pm
Operator : VOA122:KJD
Sample : WG1619277-7,31,10,10,,A2
Misc : WG1619277,ICAL18716
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 24 10:49:06 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2022\220323A\V22220323A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	11.491	105	243432	9.838	ug/L	98
102) sec-Butylbenzene	11.609	105	305076	9.594	ug/L	99
103) p-Isopropyltoluene	11.769	119	255663	9.325	ug/L	98
104) 1,3-Dichlorobenzene	11.825	146	154613	10.549	ug/L	99
105) 1,4-Dichlorobenzene	11.922	146	157355	10.619	ug/L	100
106) p-Diethylbenzene	12.159	119	141659	8.883	ug/L	100
107) n-Butylbenzene	12.215	91	202504	9.169	ug/L	99
108) 1,2-Dichlorobenzene	12.354	146	140720	10.543	ug/L	98
109) 1,2,4,5-Tetramethylben...	12.966	119	187077	8.011	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.147	155	8282	9.960	ug/L	97
112) Hexachlorobutadiene	13.774	225	23239	7.413	ug/L	99
113) 1,2,4-Trichlorobenzene	13.788	180	67691	8.729	ug/L	99
114) Naphthalene	14.080	128	147462	8.389	ug/L	100
115) 1,2,3-Trichlorobenzene	14.254	180	55598	8.341	ug/L	100

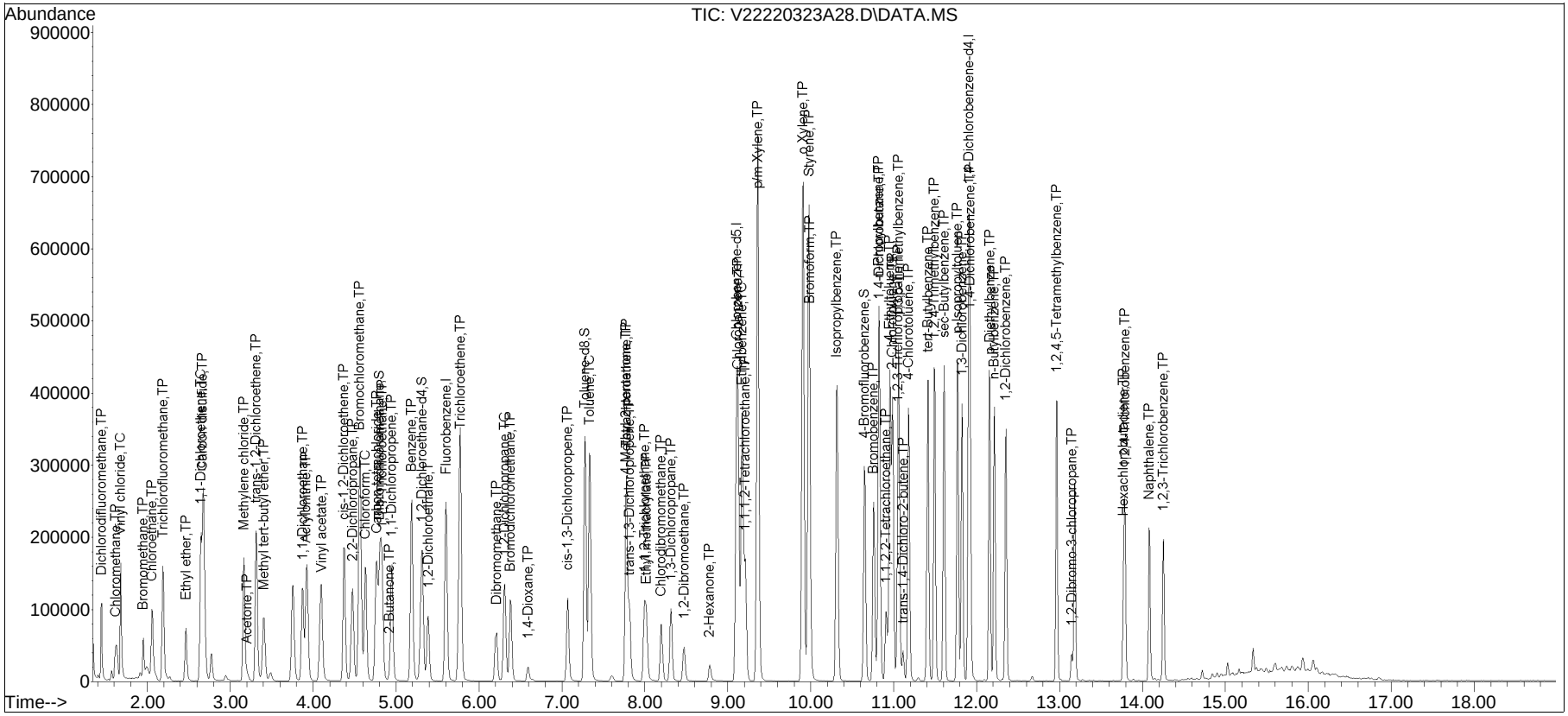
(#) = qualifier out of range (m) = manual integration (+) = signals summed

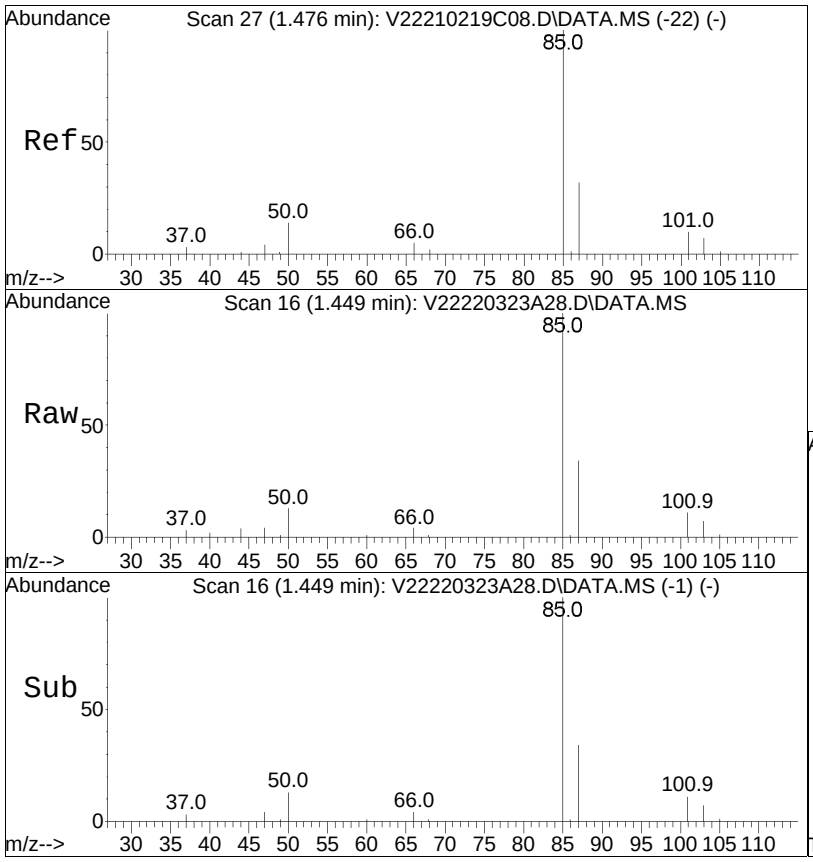
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2022\220323A\
Data File : V22220323A28.D
Acq On : 23 Mar 2022 08:27 pm
Operator : VOA122:KJD
Sample : WG1619277-7,31,10,10,,A2
Misc : WG1619277,ICAL18716
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 24 10:49:06 2022
Quant Method : I:\VOLATILES\VOA122\2022\220323A\V122_220128N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 03 20:15:42 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20323A\\V22220323A01.D•

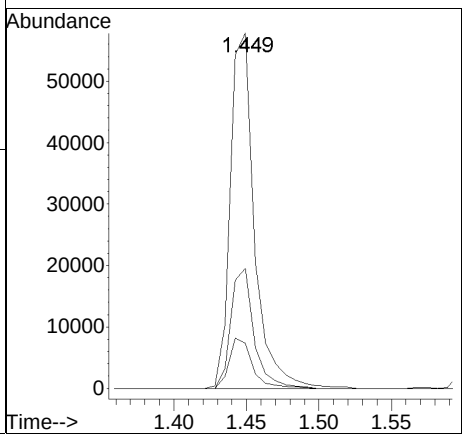


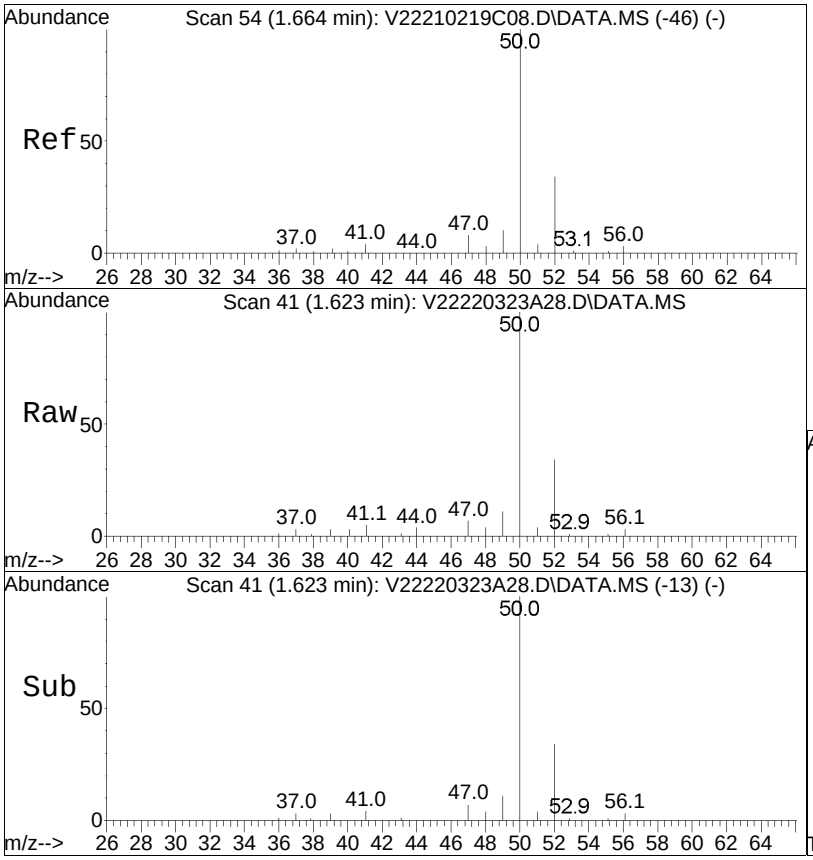


#2
Dichlorodifluoromethane
Concen: 10.44 ug/L
RT: 1.449 min Scan# 16
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 85 Resp: 67041

Ion	Ratio	Lower	Upper
85	100		
87	32.4	20.7	42.9
50	13.6	6.8	14.2

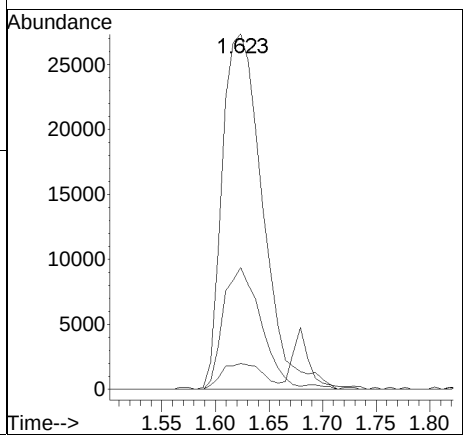


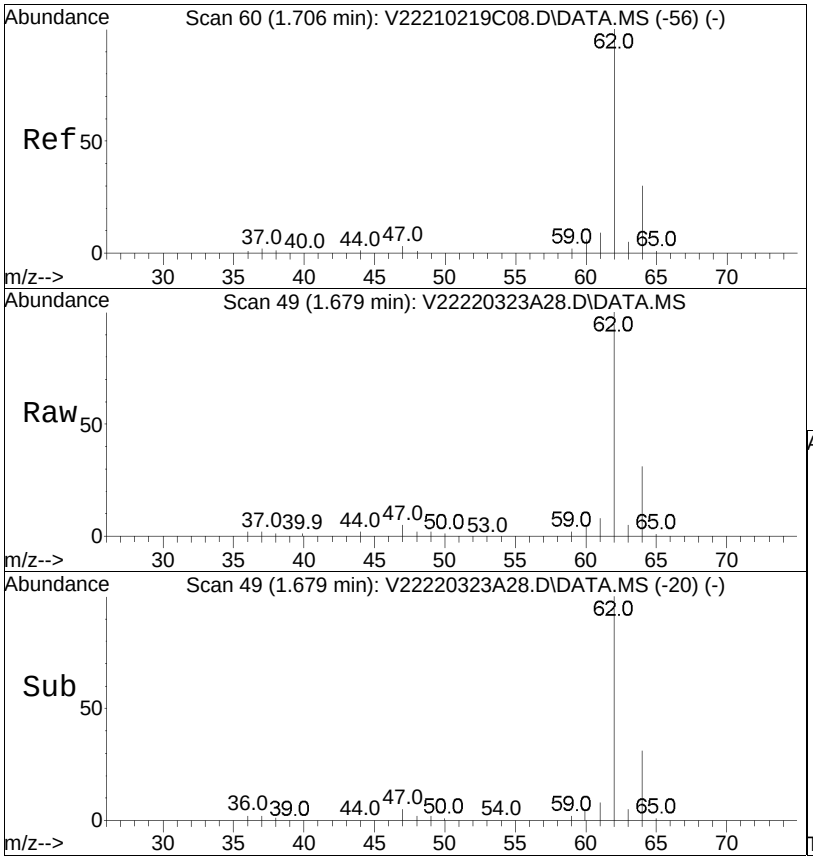


#3
Chloromethane
Concen: 11.89 ug/L
RT: 1.623 min Scan# 41
Delta R.T. -0.007 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 50 Resp: 71945

Ion	Ratio	Lower	Upper
50	100		
52	32.0	12.8	52.8
47	7.5	0.0	30.0

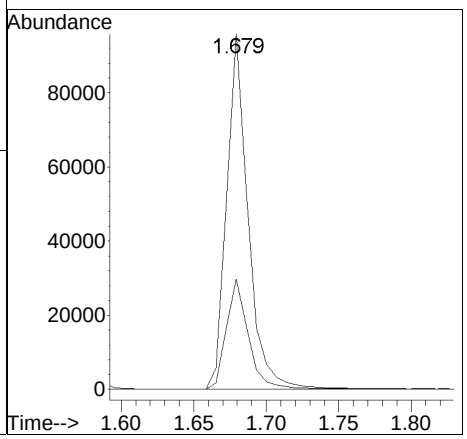


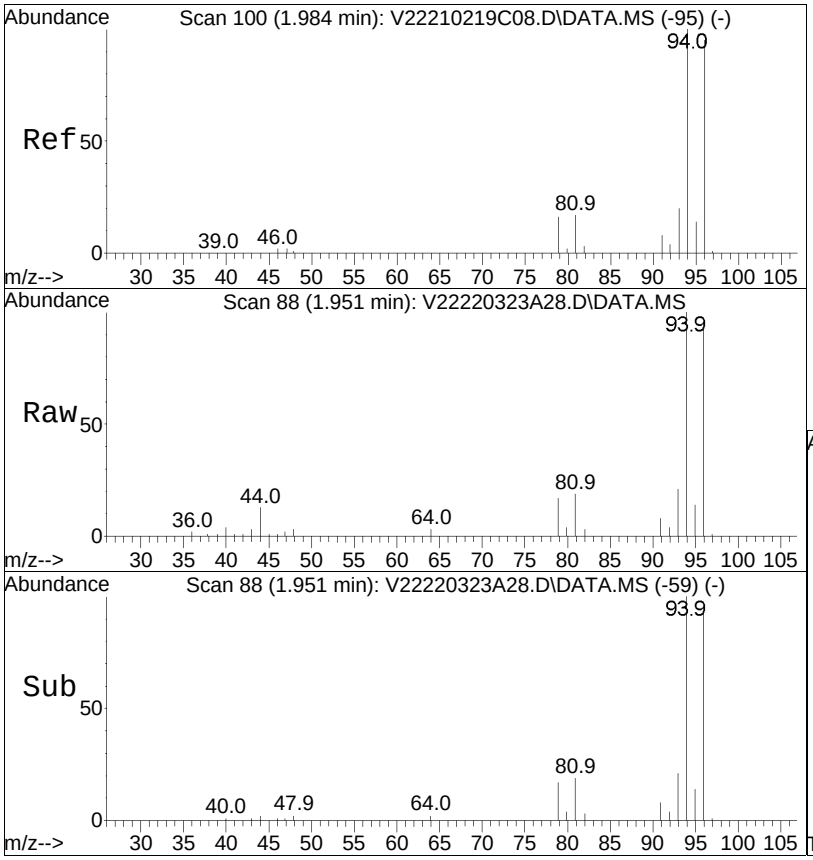


#4
Vinyl chloride
Concen: 15.84 ug/L
RT: 1.679 min Scan# 49
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 62 Resp: 99226

Ion	Ratio	Lower	Upper
62	100		
64	32.3	12.0	52.0

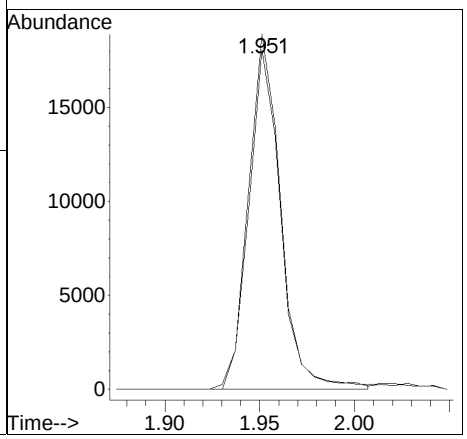


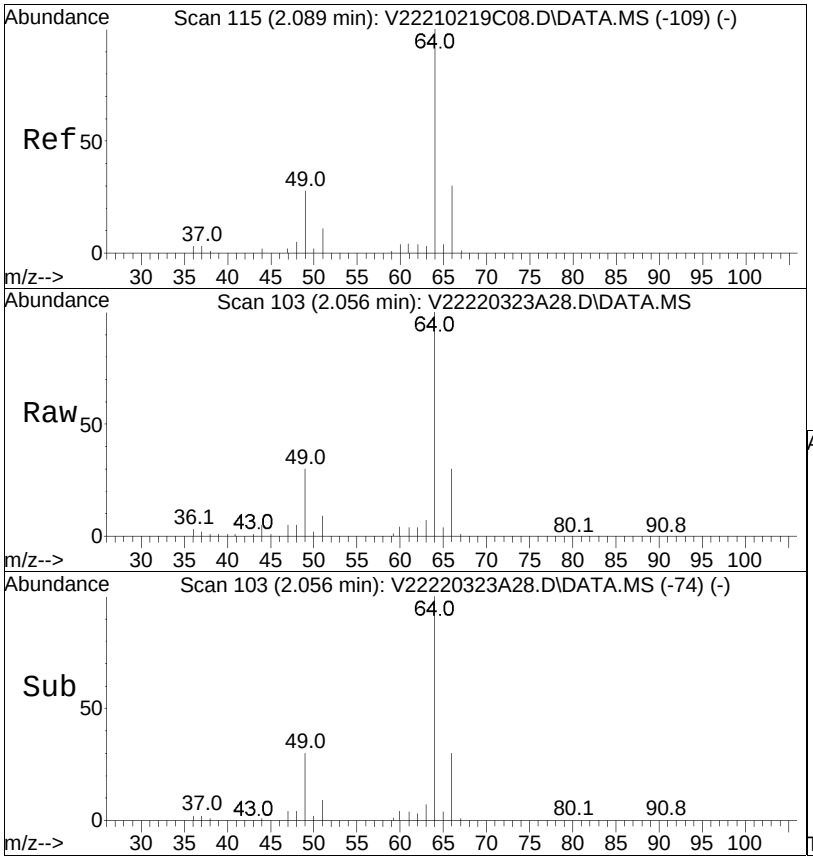


#5
Bromomethane
Concen: 9.16 ug/L
RT: 1.951 min Scan# 88
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 94 Resp: 22412

Ion	Ratio	Lower	Upper
94	100		
96	95.3	72.8	112.8

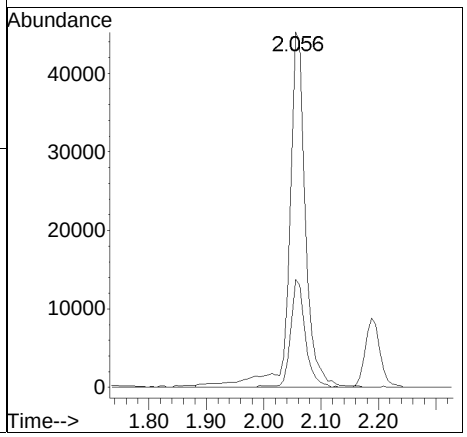


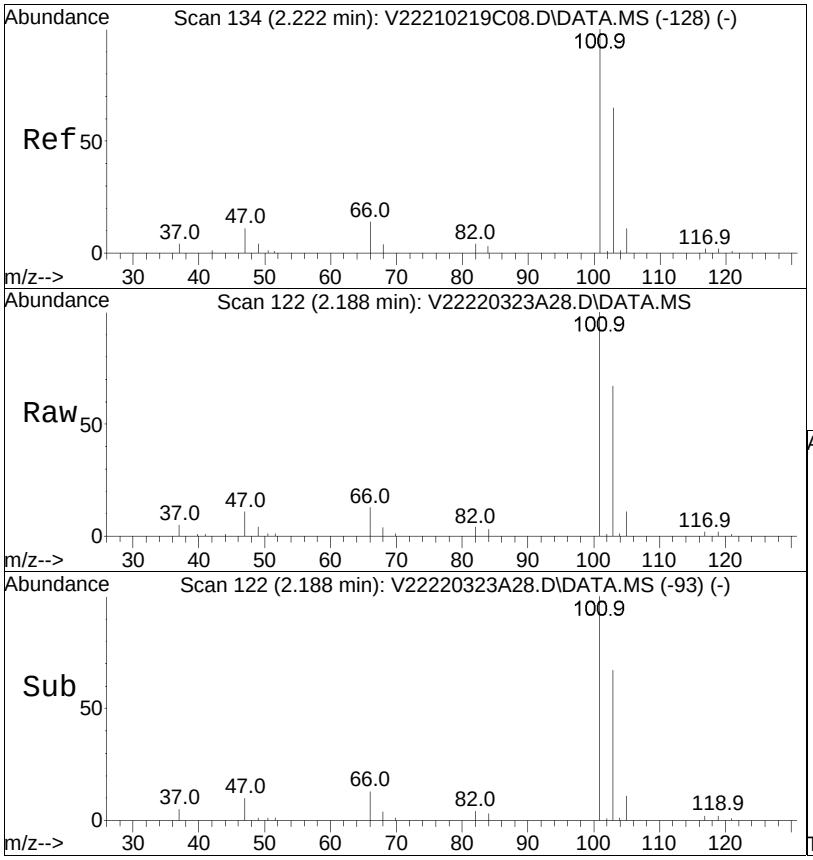


#6
Chloroethane
Concen: 22.53 ug/L
RT: 2.056 min Scan# 103
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 64 Resp: 89537

Ion	Ratio	Lower	Upper
64	100		
66	27.2	12.2	52.2

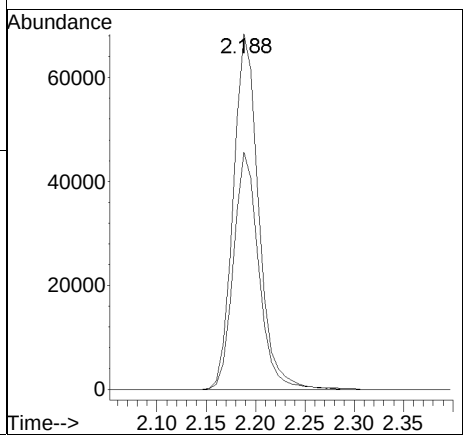


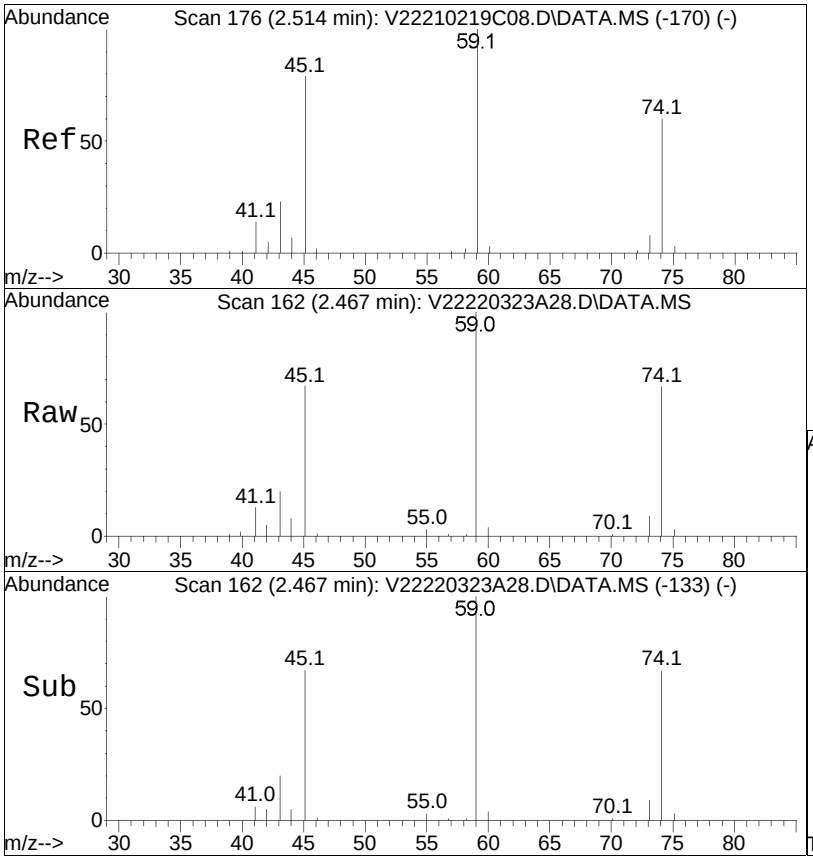


#7
Trichlorofluoromethane
Concen: 13.22 ug/L
RT: 2.188 min Scan# 122
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:101 Resp: 122447

Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.6	77.4

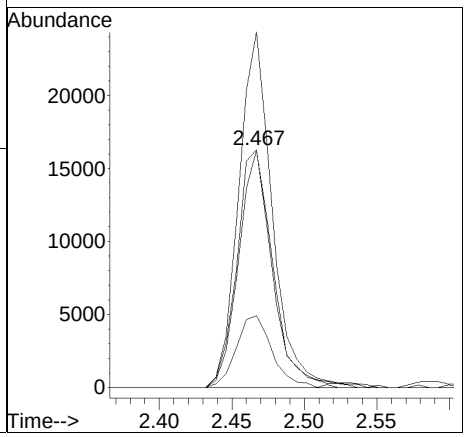


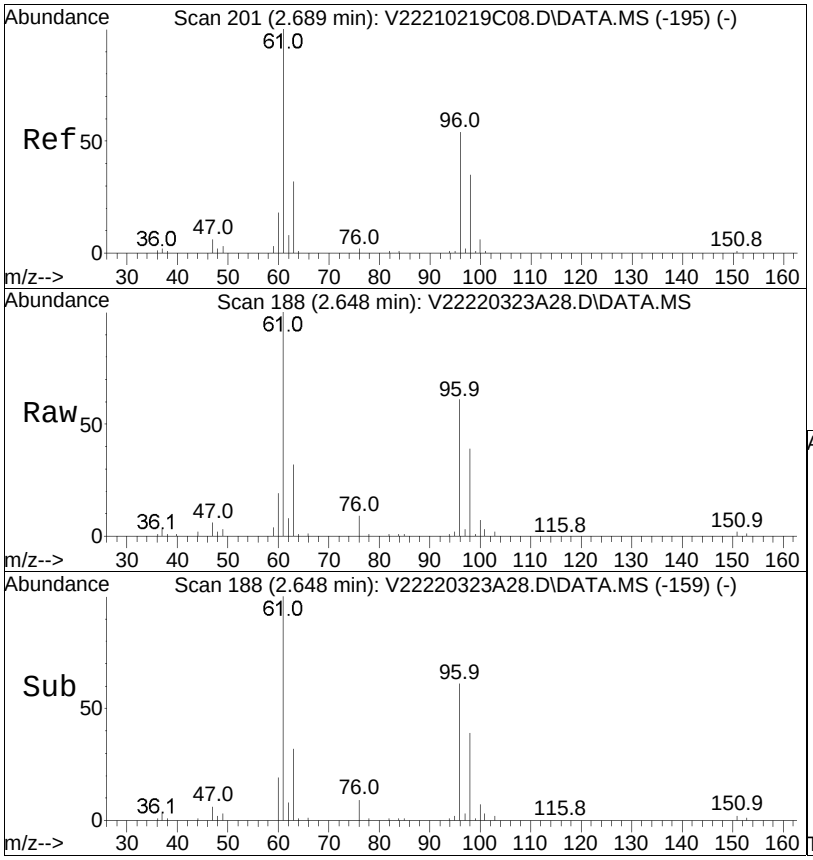


#8
Ethyl ether
Concen: 10.70 ug/L
RT: 2.467 min Scan# 162
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 74 Resp: 26746

Ion	Ratio	Lower	Upper
74	100		
59	147.3	2122.4	4408.0#
45	104.0	1435.1	2980.5#
43	31.8	407.9	847.3#

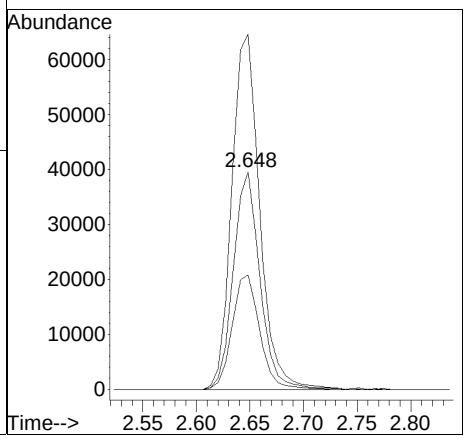


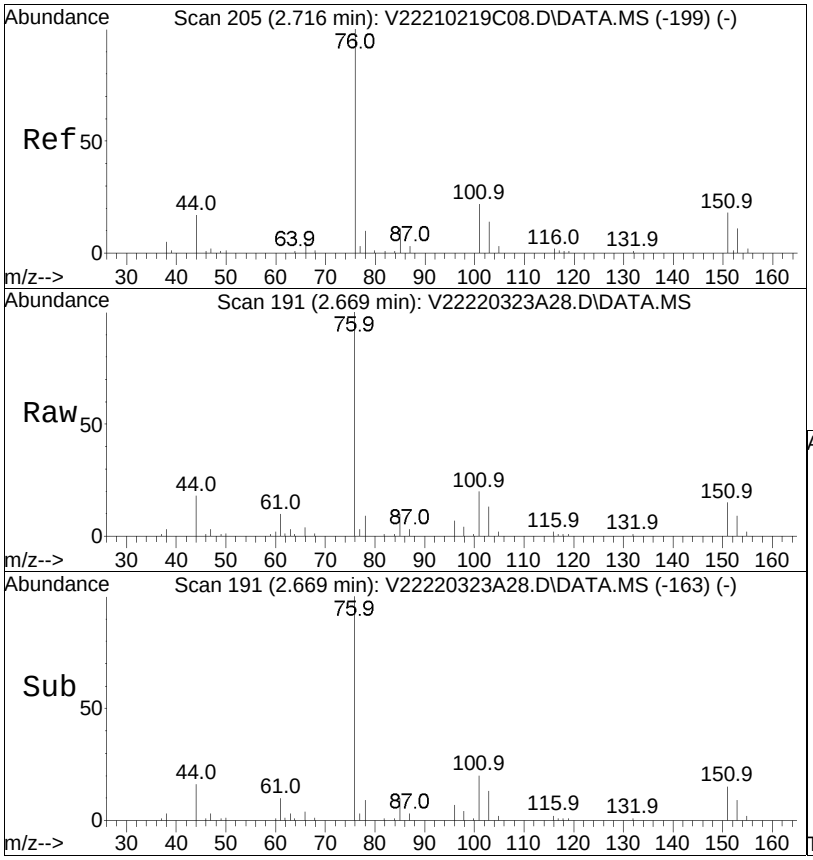


#10
1,1-Dichloroethene
Concen: 13.31 ug/L
RT: 2.648 min Scan# 188
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 96 Resp: 68419

Ion	Ratio	Lower	Upper
96	100		
61	170.8	117.0	175.4
63	54.3	37.8	56.6

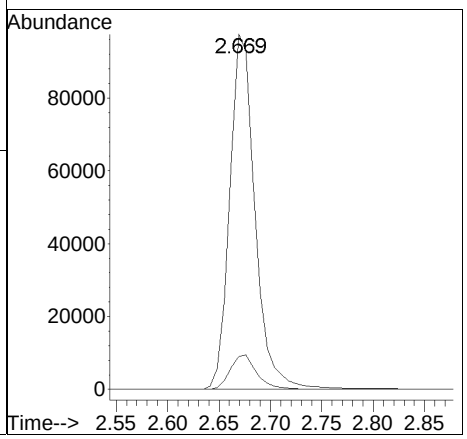


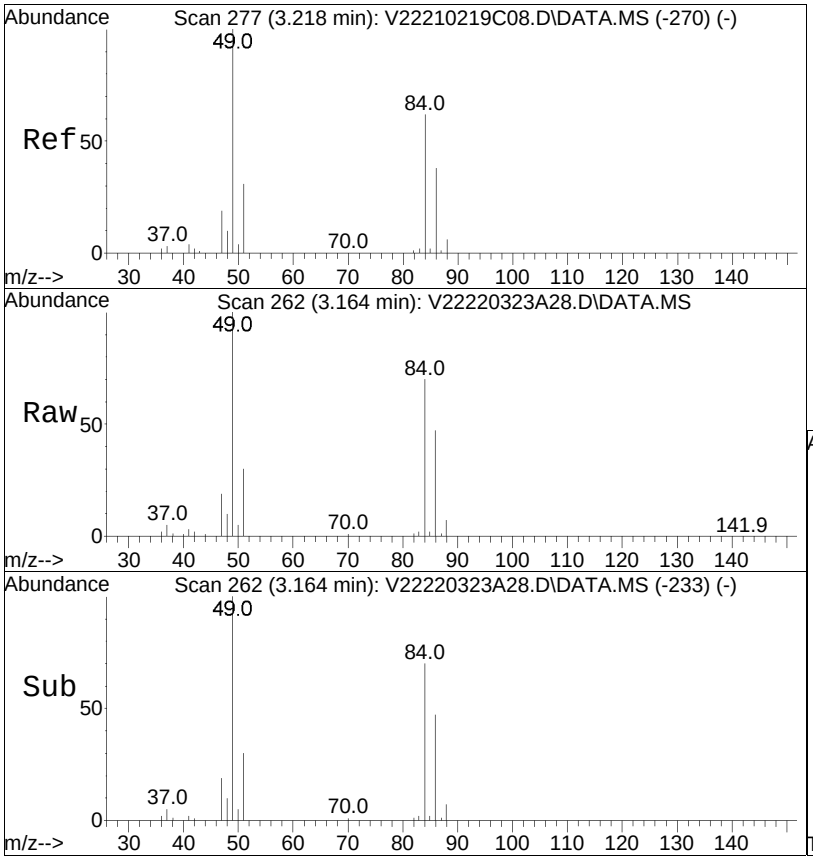


#11
Carbon disulfide
Concen: 12.12 ug/L
RT: 2.669 min Scan# 191
Delta R.T. -0.007 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 76 Resp: 167232

Ion	Ratio	Lower	Upper
76	100		
78	10.2	6.4	13.4

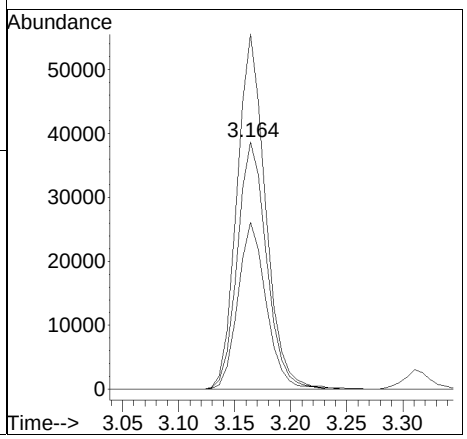


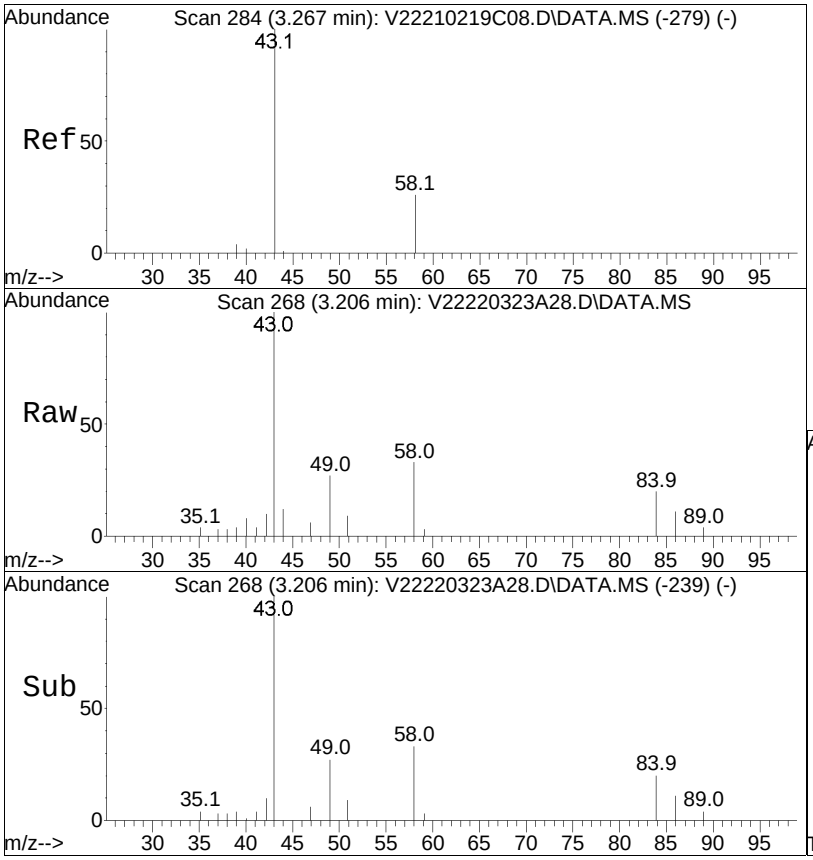


#15
Methylene chloride
Concen: 12.09 ug/L
RT: 3.164 min Scan# 262
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 84 Resp: 70463

Ion	Ratio	Lower	Upper
84	100		
86	65.2	41.5	86.3
49	140.1	68.8	143.0

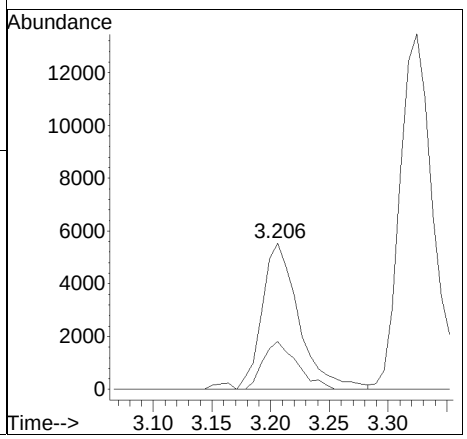


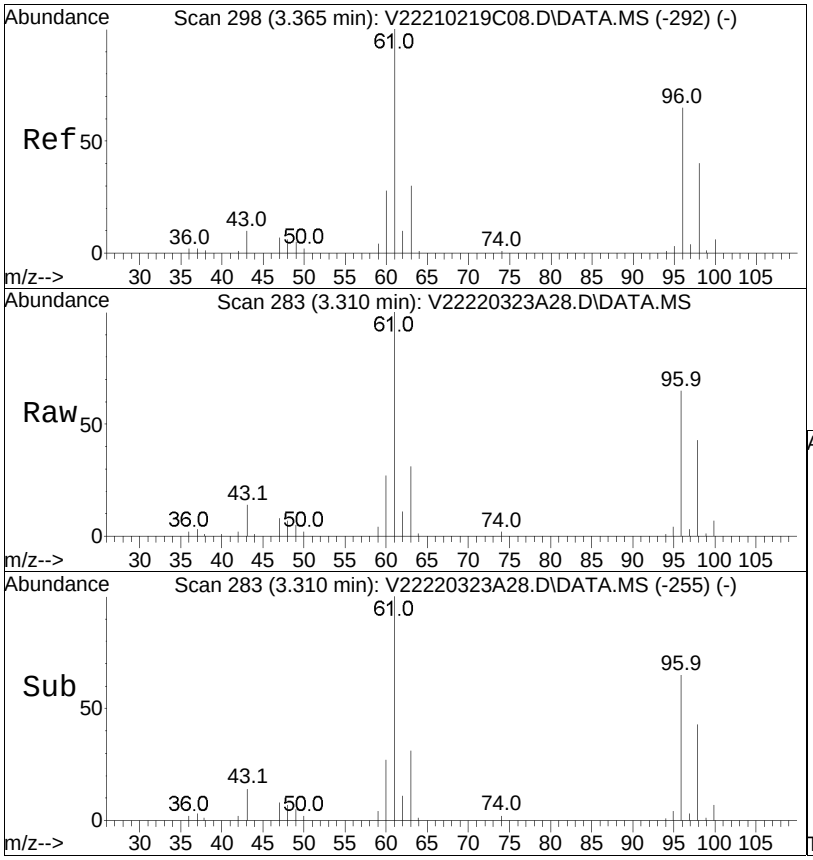


#17
Acetone
Concen: 12.07 ug/L
RT: 3.206 min Scan# 268
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 43 Resp: 12377

Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.1	34.7

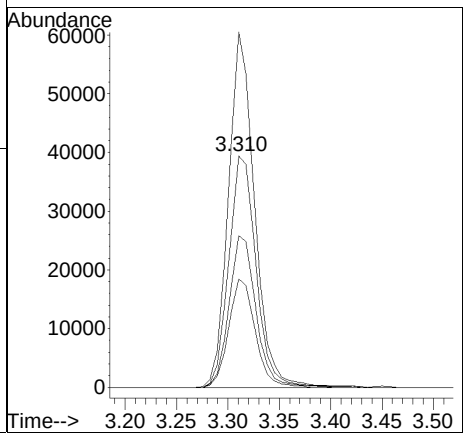


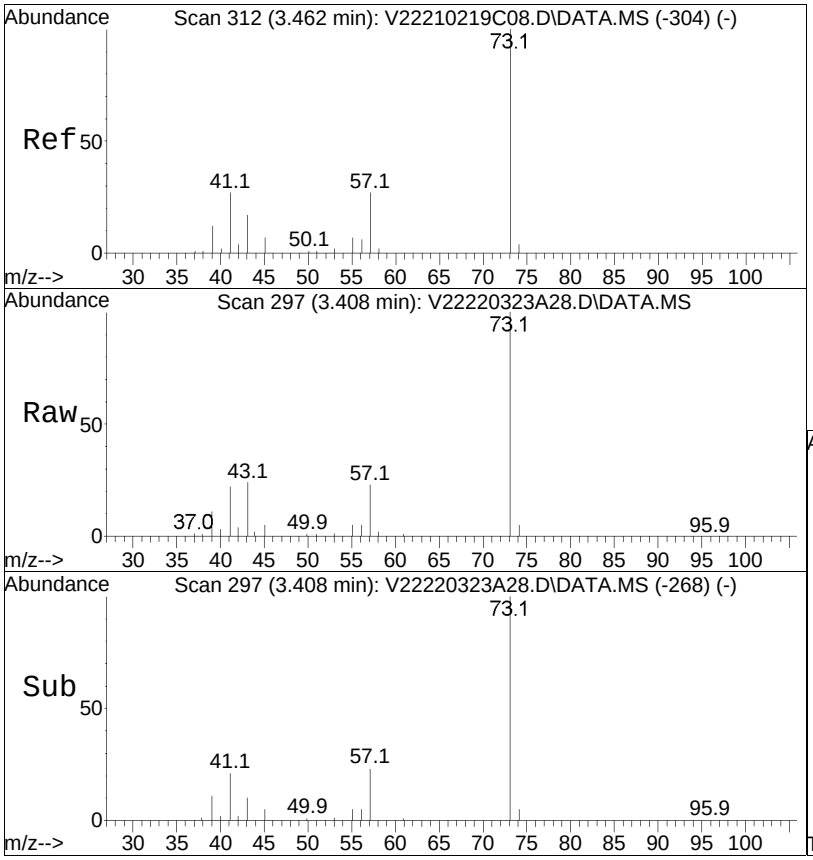


#18
trans-1,2-Dichloroethene
Concen: 13.17 ug/L
RT: 3.310 min Scan# 283
Delta R.T. -0.007 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 96 Resp: 73128

Ion	Ratio	Lower	Upper
96	100		
61	146.3	81.6	169.6
98	64.4	41.8	86.8
63	45.3	26.3	54.7

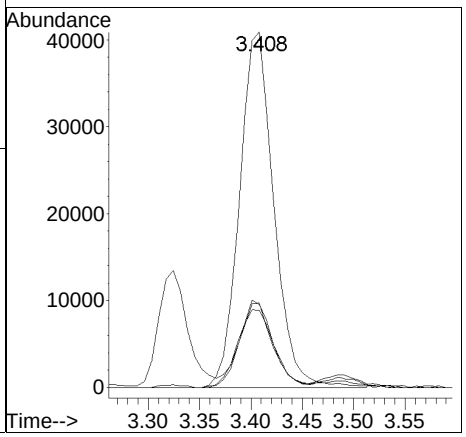


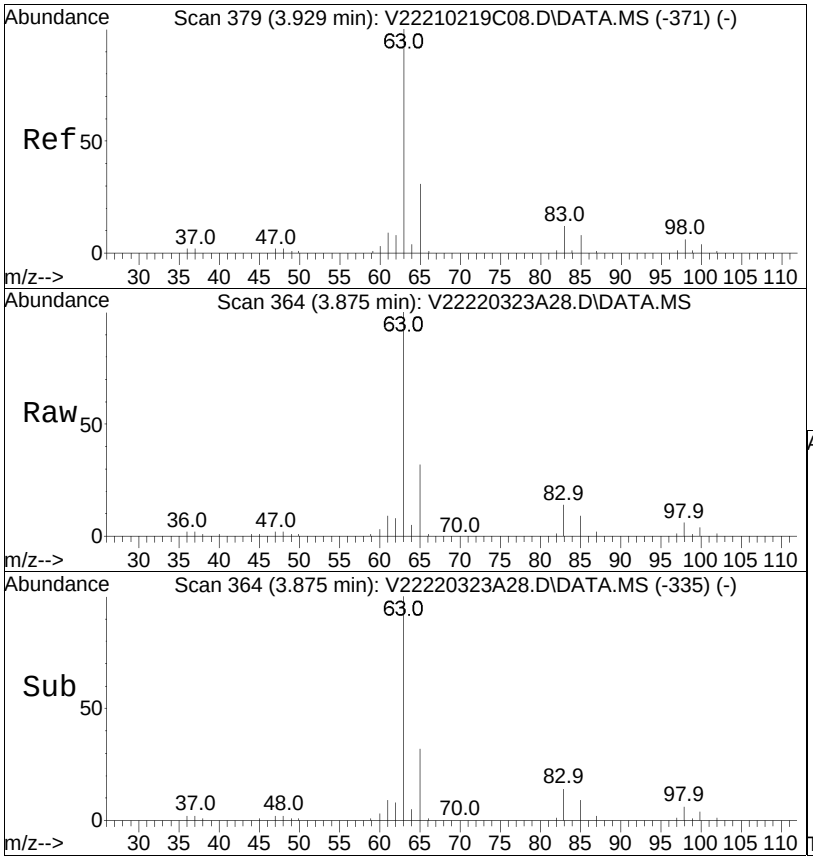


#21
Methyl tert-butyl ether
Concen: 9.40 ug/L
RT: 3.408 min Scan# 297
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 73 Resp: 94987

Ion	Ratio	Lower	Upper
73	100		
57	23.8	13.6	28.2
43	22.9	12.7	26.5
41	23.2	11.4	23.8

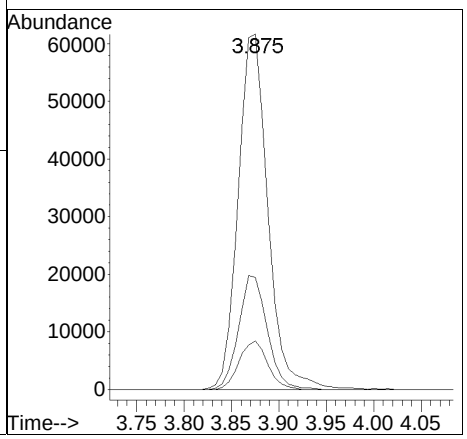


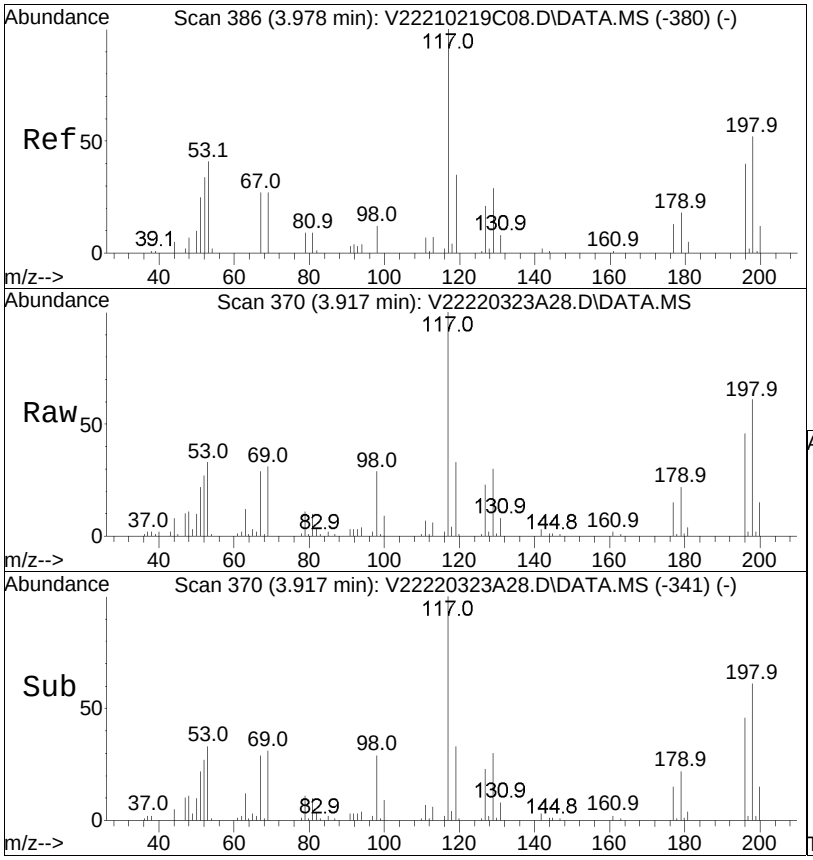


#25
1,1-Dichloroethane
Concen: 13.06 ug/L
RT: 3.875 min Scan# 364
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 63 Resp: 134641

Ion	Ratio	Lower	Upper
63	100		
65	30.8	11.9	51.9
83	13.0	0.0	34.2

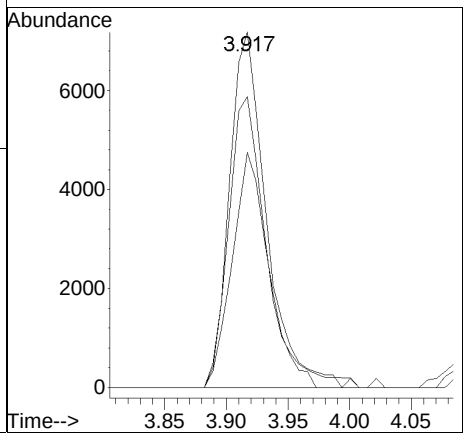


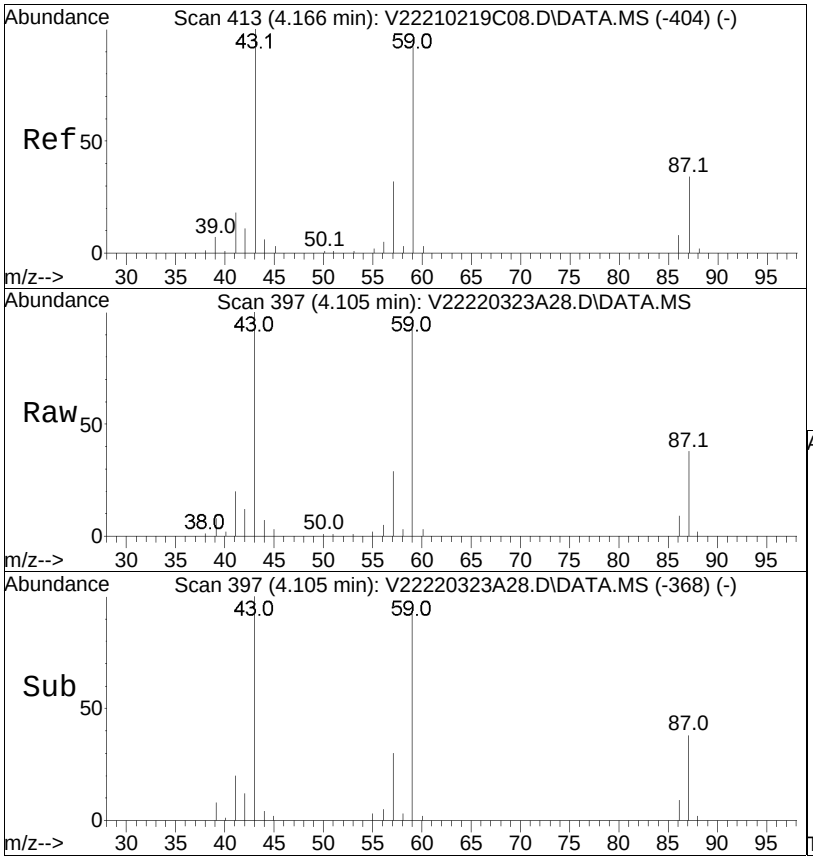


#27
Acrylonitrile
Concen: 11.65 ug/L
RT: 3.917 min Scan# 370
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 53 Resp: 15021

Ion	Ratio	Lower	Upper
53	100		
52	84.5	63.8	95.8
51	65.4	50.2	75.4

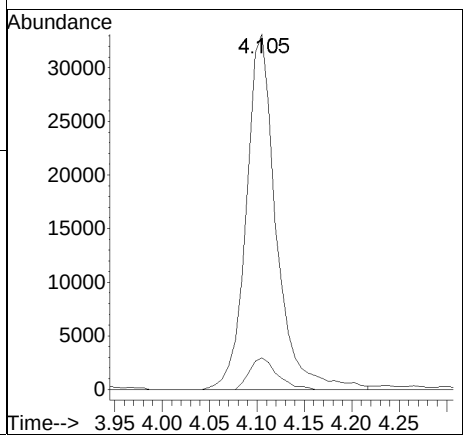


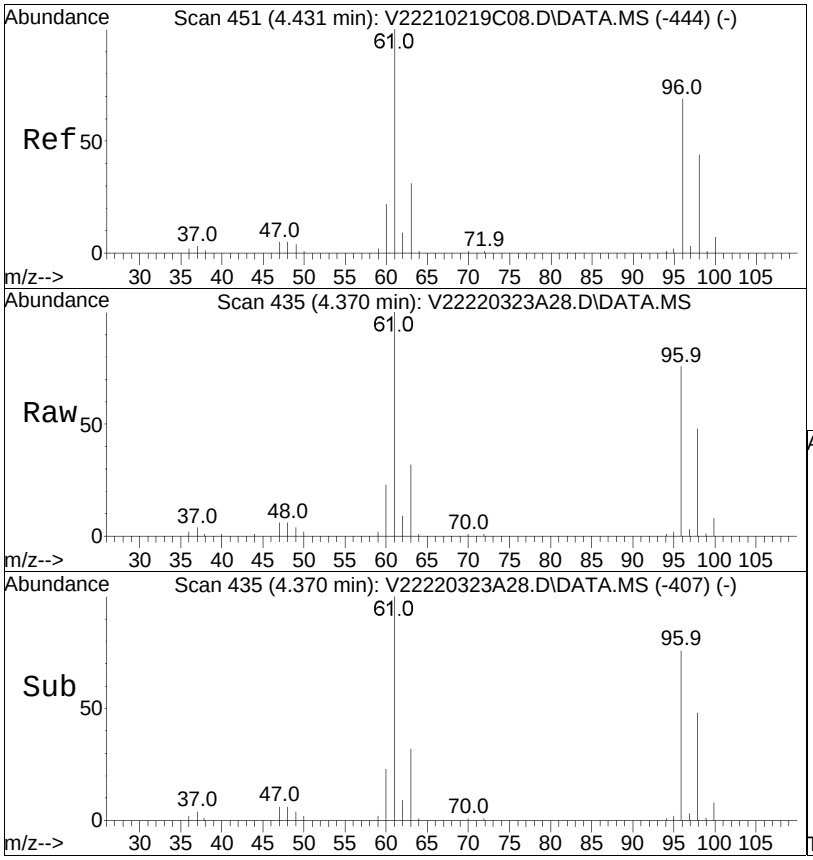


#29
Vinyl acetate
Concen: 10.04 ug/L
RT: 4.105 min Scan# 397
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 43 Resp: 72783

Ion	Ratio	Lower	Upper
43	100		
86	8.2	8.9	13.3#

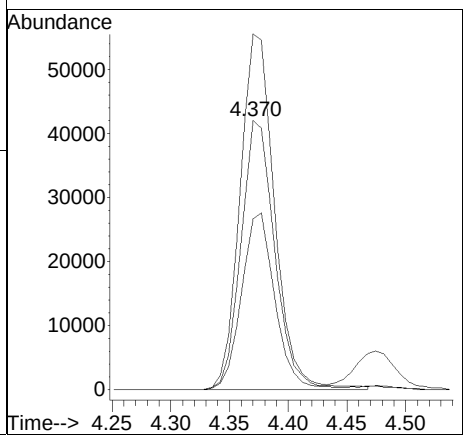


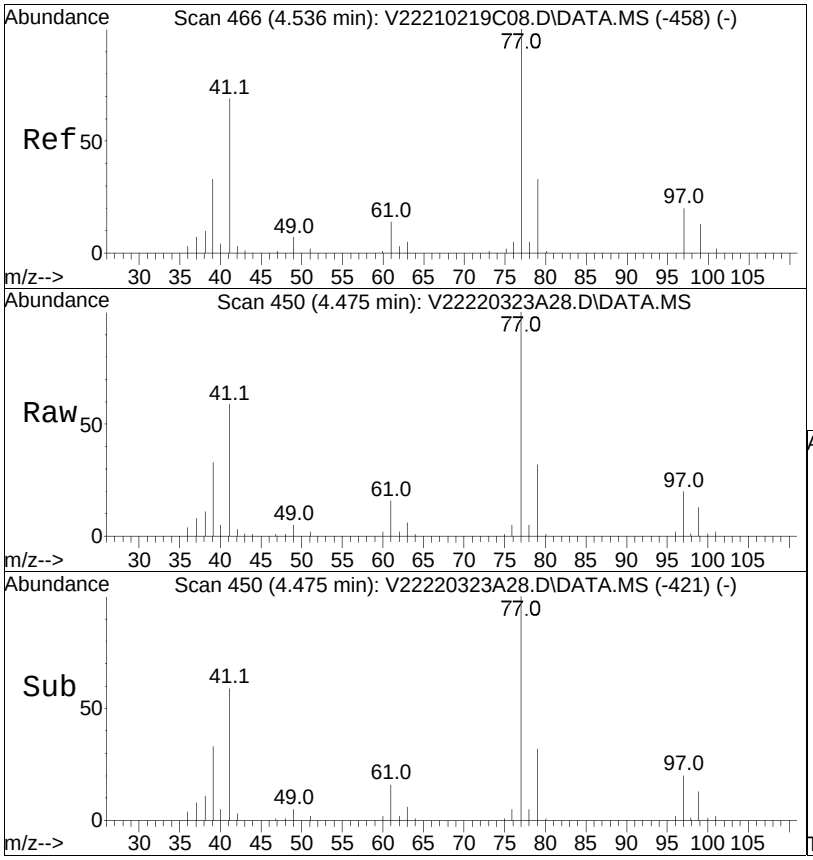


#30
cis-1,2-Dichloroethene
Concen: 13.50 ug/L
RT: 4.370 min Scan# 435
Delta R.T. -0.007 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 96 Resp: 84508

Ion	Ratio	Lower	Upper
96	100		
61	133.0	90.3	135.5
98	64.5	50.8	76.2

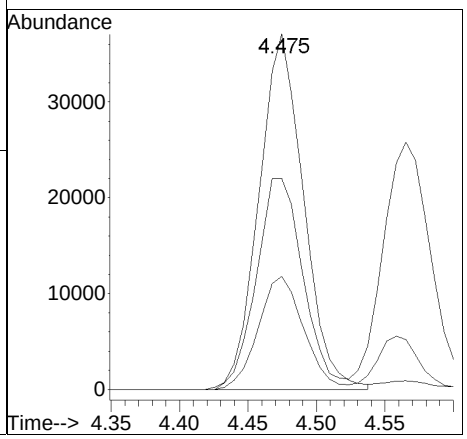


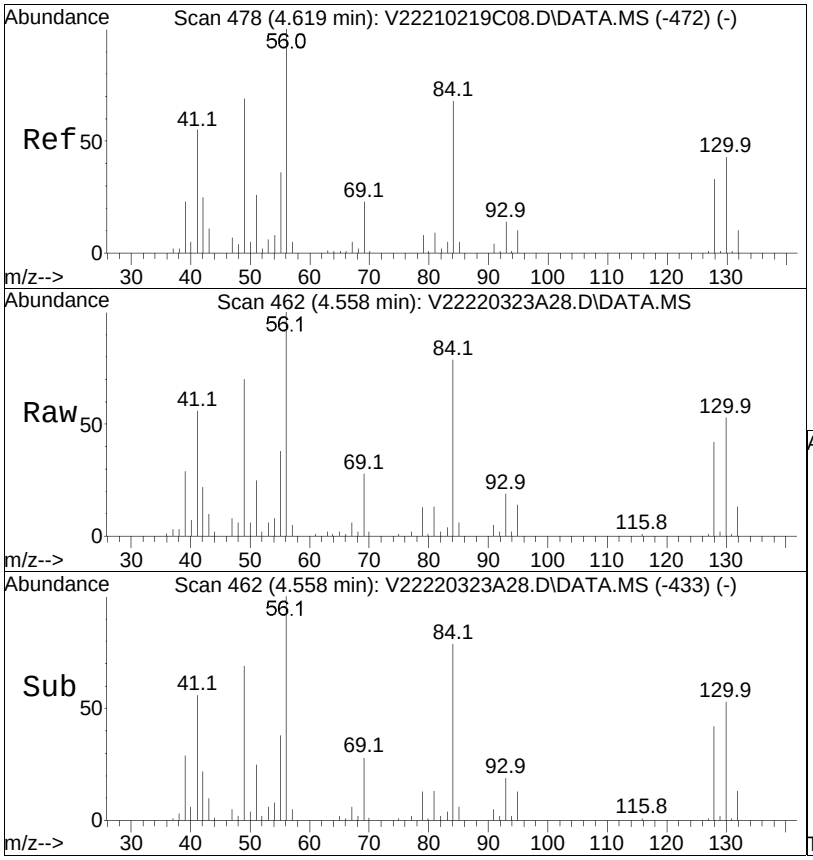


#31
2,2-Dichloropropane
Concen: 10.85 ug/L
RT: 4.475 min Scan# 450
Delta R.T. 0.001 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 77 Resp: 83952

Ion	Ratio	Lower	Upper
77	100		
41	62.4	32.3	67.1
79	32.4	21.1	43.7

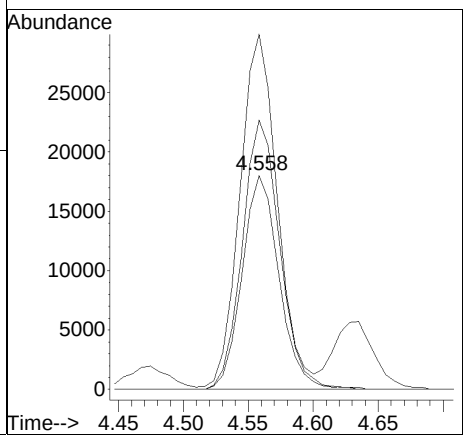


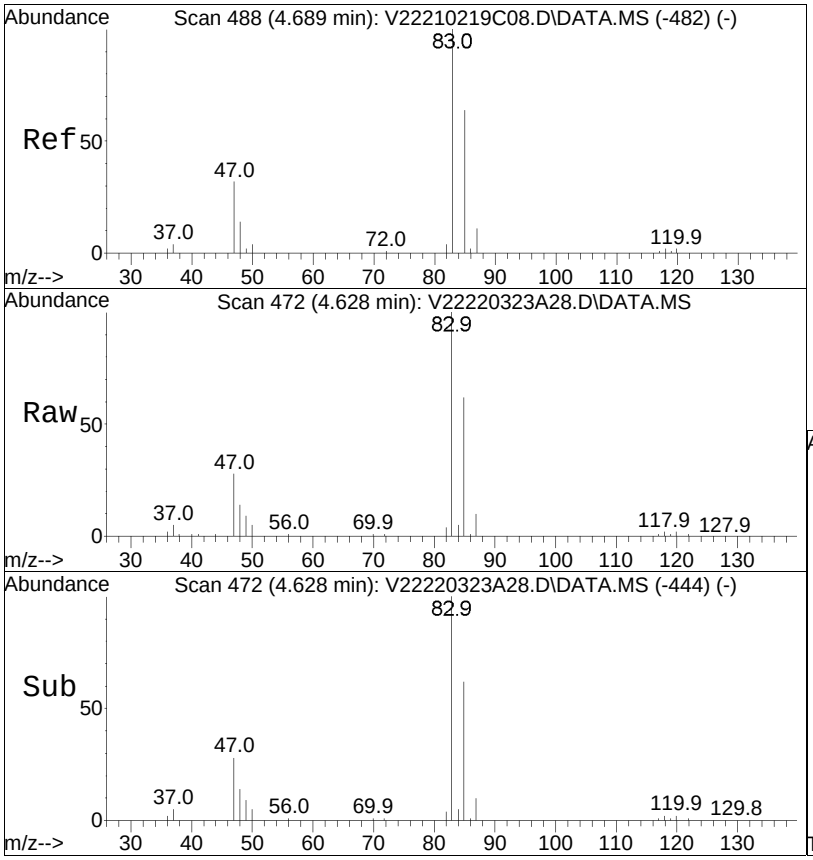


#32
Bromochloromethane
Concen: 12.44 ug/L
RT: 4.558 min Scan# 462
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:128 Resp: 35749

Ion	Ratio	Lower	Upper
128	100		
49	168.2	104.4	156.6#
130	127.9	103.9	155.9

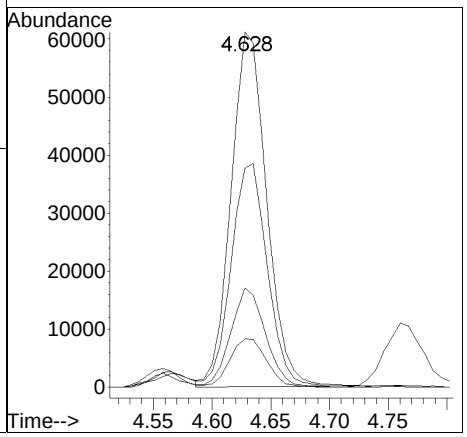


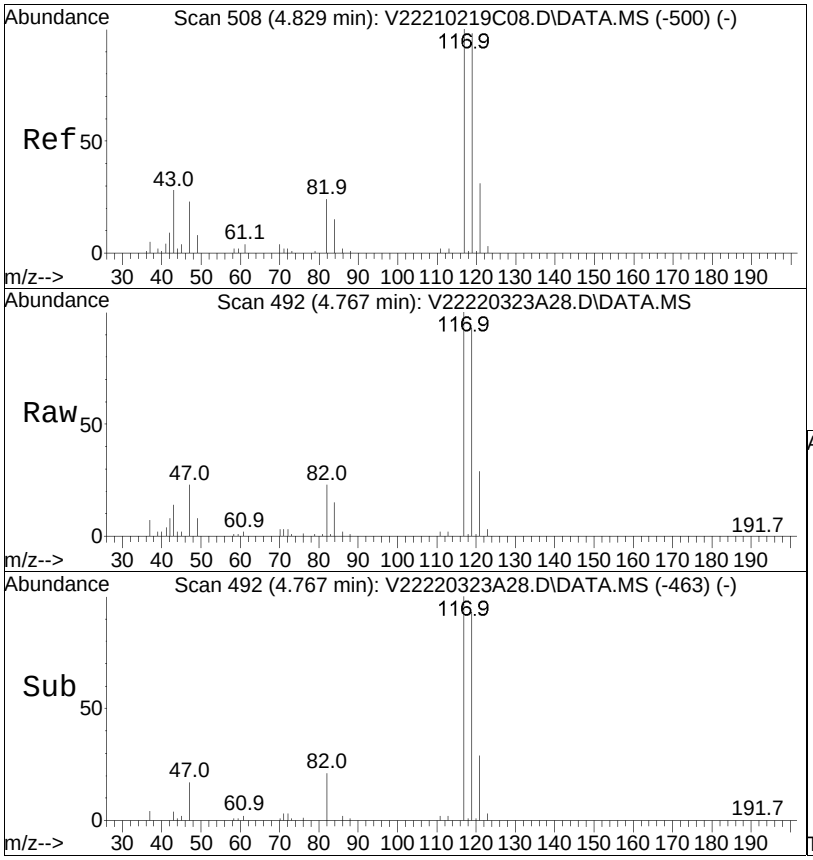


#34
Chloroform
Concen: 11.93 ug/L
RT: 4.628 min Scan# 472
Delta R.T. -0.007 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 83 Resp: 128902

Ion	Ratio	Lower	Upper
83	100		
85	65.0	42.4	88.2
47	27.6	14.0	29.0
48	14.2	6.9	14.3

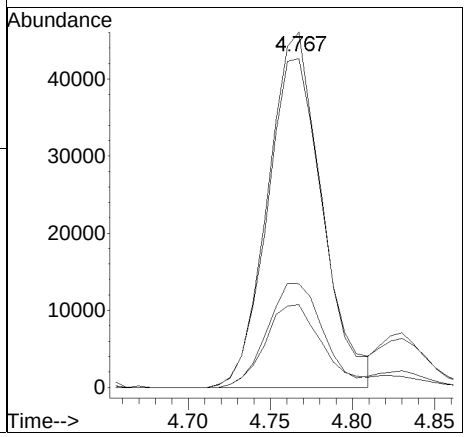


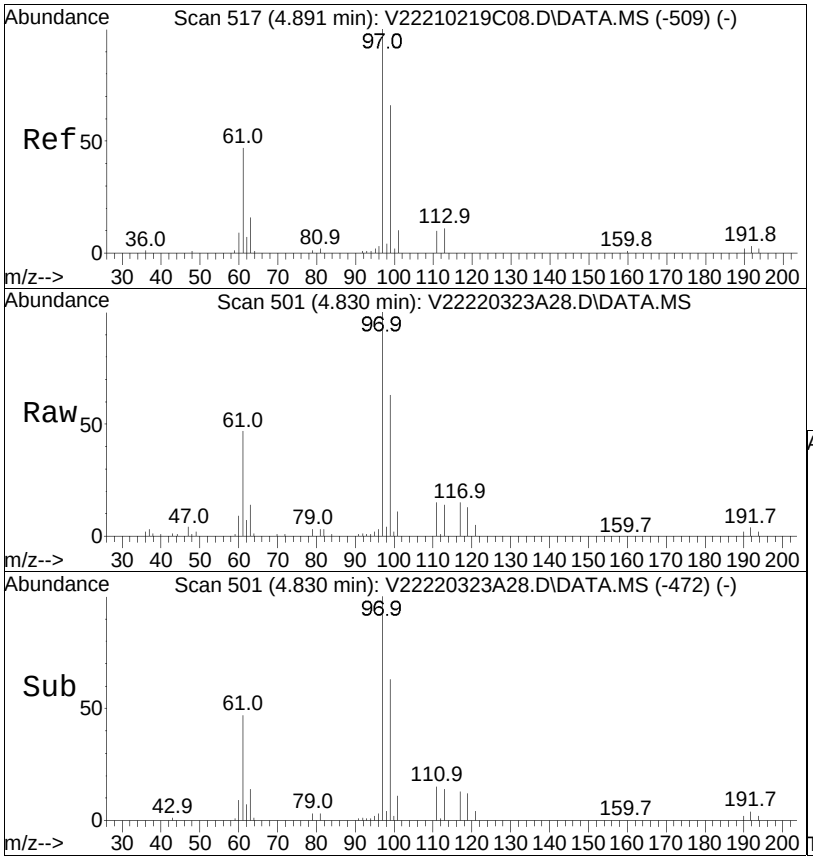


#36
Carbon tetrachloride
Concen: 13.15 ug/L
RT: 4.767 min Scan# 492
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:117 Resp: 104863

Ion	Ratio	Lower	Upper
117	100		
119	96.4	62.1	129.1
121	30.2	20.3	42.3
82	25.0	15.4	32.0

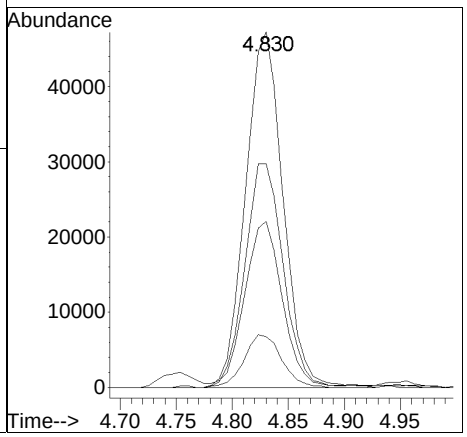


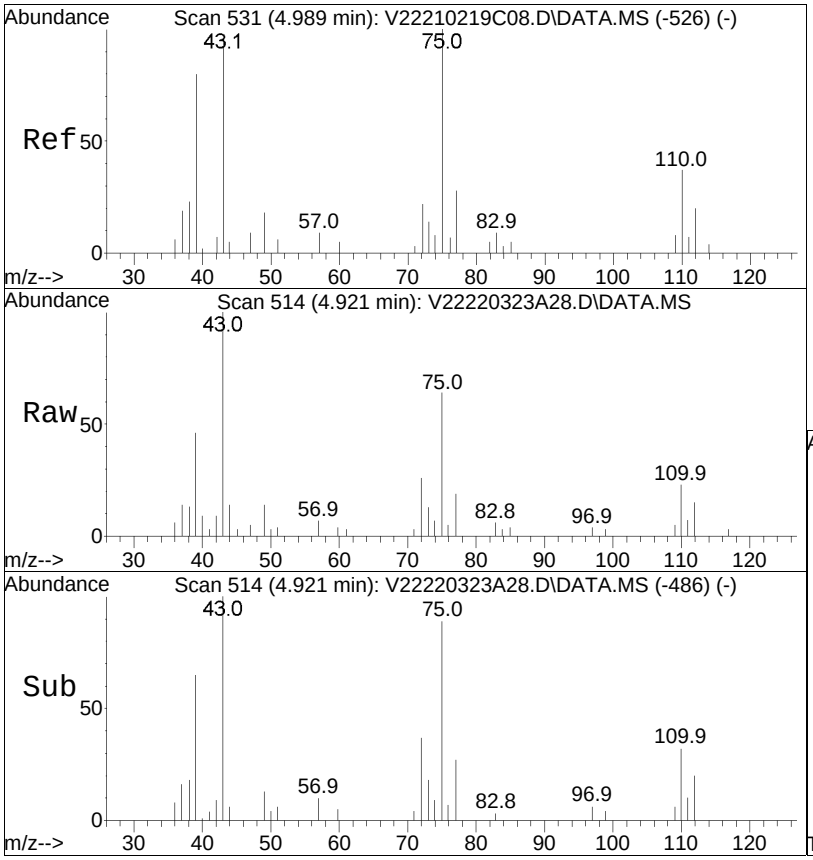


#39
1,1,1-Trichloroethane
Concen: 12.12 ug/L
RT: 4.830 min Scan# 501
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 97 Resp: 110028

Ion	Ratio	Lower	Upper
97	100		
99	64.3	42.4	88.0
61	47.3	26.0	54.0
63	14.8	8.3	17.3

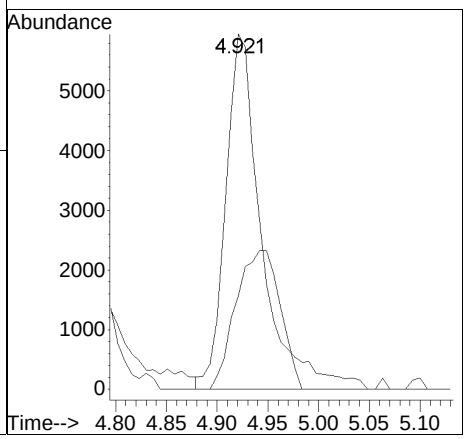


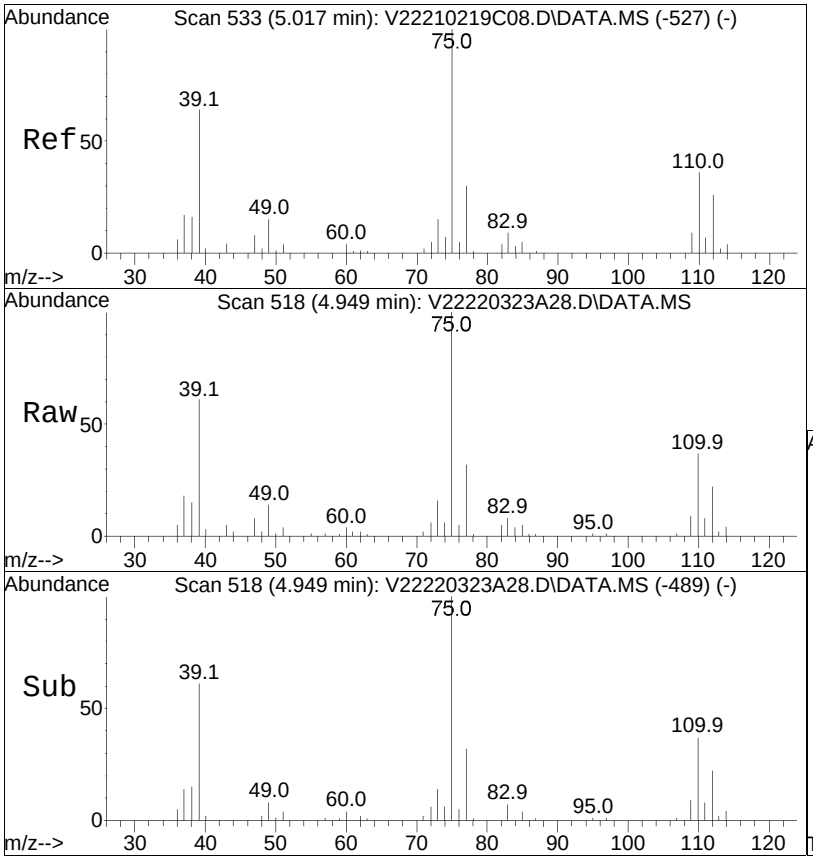


#41
2-Butanone
Concen: 11.53 ug/L
RT: 4.921 min Scan# 514
Delta R.T. -0.007 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 43 Resp: 16018

Ion	Ratio	Lower	Upper
43	100		
72	44.0	45.8	68.8#

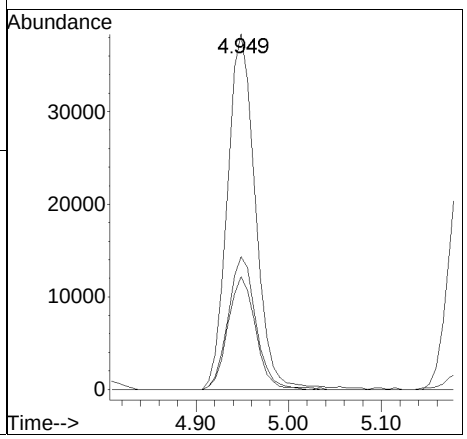


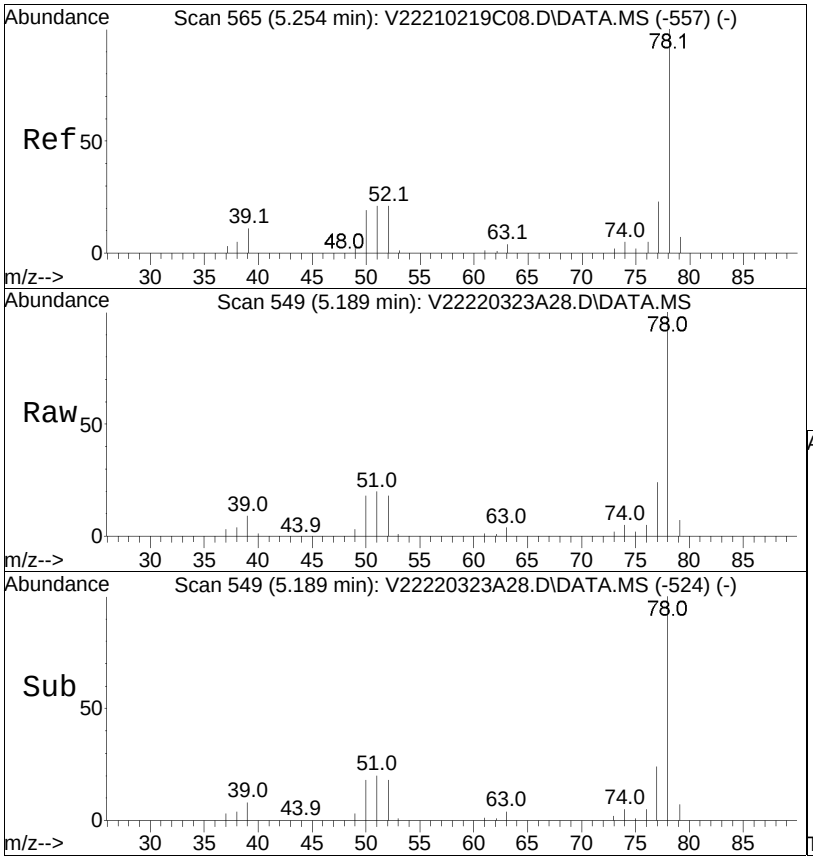


#42
1,1-Dichloropropene
Concen: 12.36 ug/L
RT: 4.949 min Scan# 518
Delta R.T. 0.001 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 75 Resp: 88909

Ion	Ratio	Lower	Upper
75	100		
110	37.5	25.4	52.8
77	31.6	20.3	42.1

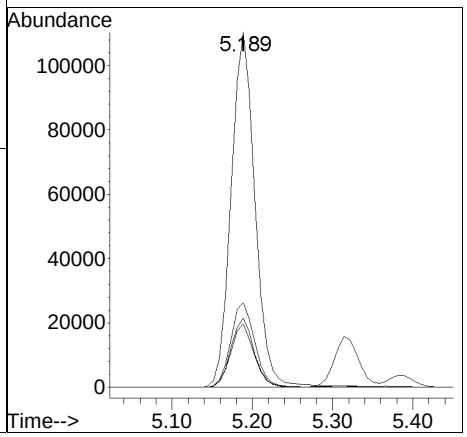


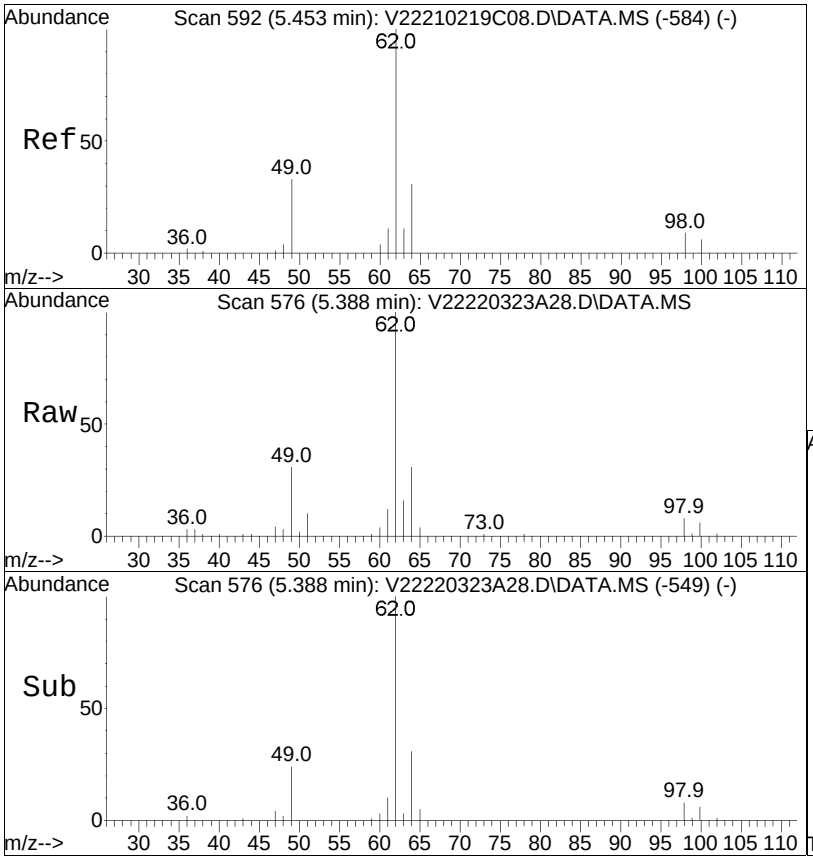


#44
Benzene
Concen: 12.14 ug/L
RT: 5.189 min Scan# 549
Delta R.T. 0.001 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 78 Resp: 229222

Ion	Ratio	Lower	Upper
78	100		
77	24.1	15.4	32.0
51	19.1	9.8	20.4
52	17.5	9.2	19.2

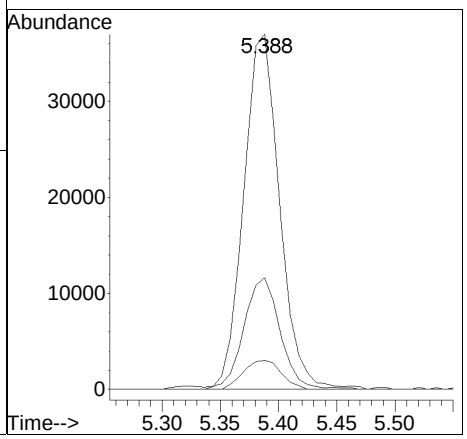


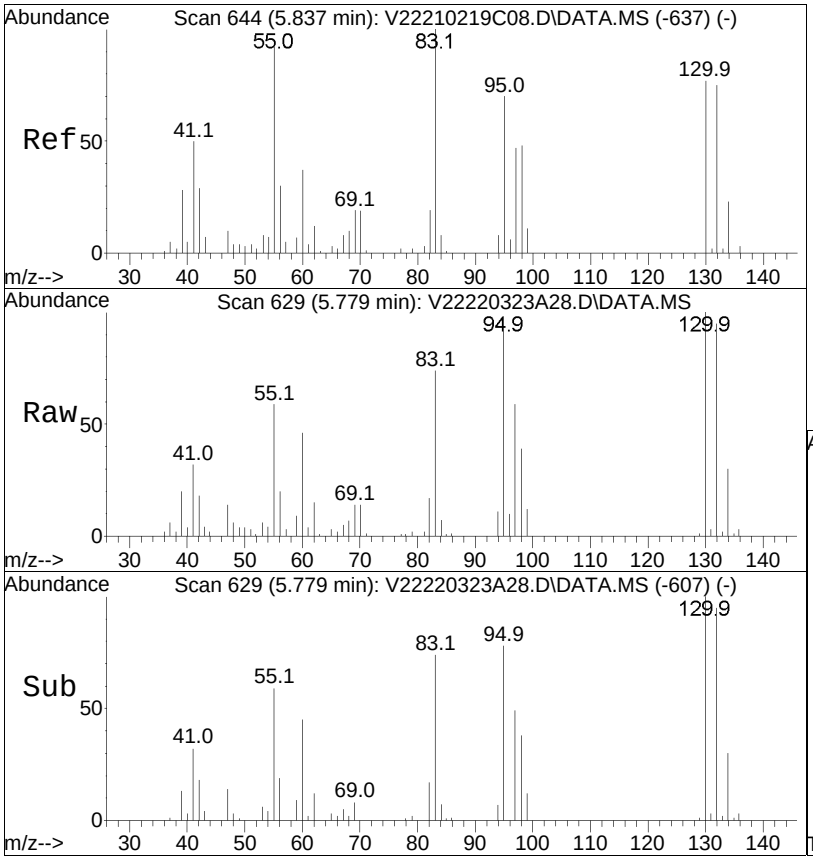


#47
1,2-Dichloroethane
Concen: 11.76 ug/L
RT: 5.388 min Scan# 576
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 62 Resp: 79429

Ion	Ratio	Lower	Upper
62	100		
64	31.9	12.3	52.3
98	8.7	0.0	30.3

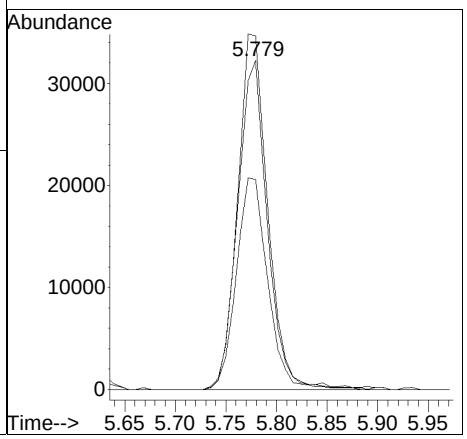


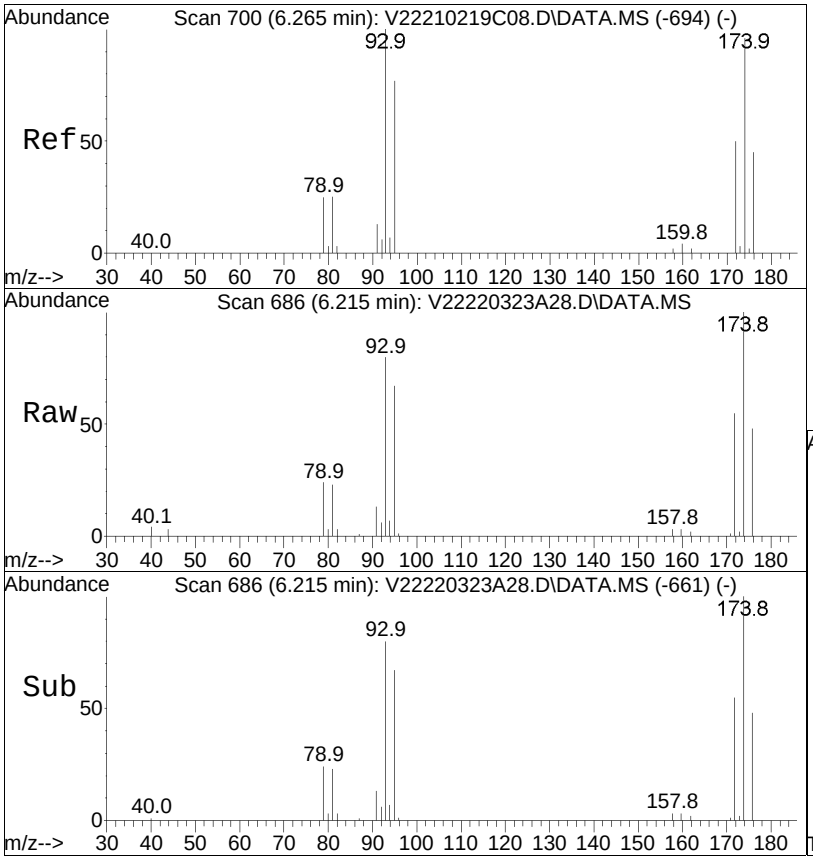


#51
Trichloroethene
Concen: 12.55 ug/L
RT: 5.779 min Scan# 629
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 95 Resp: 65999

Ion	Ratio	Lower	Upper
95	100		
97	67.9	55.0	82.4
130	109.9	89.2	133.8

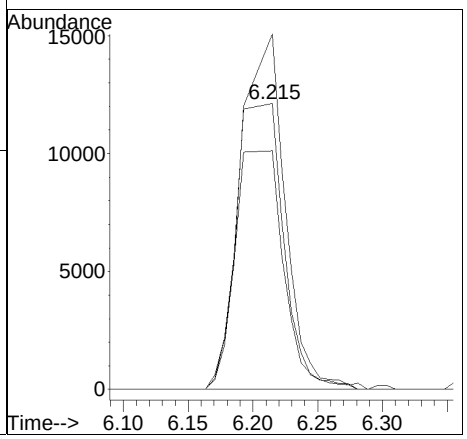


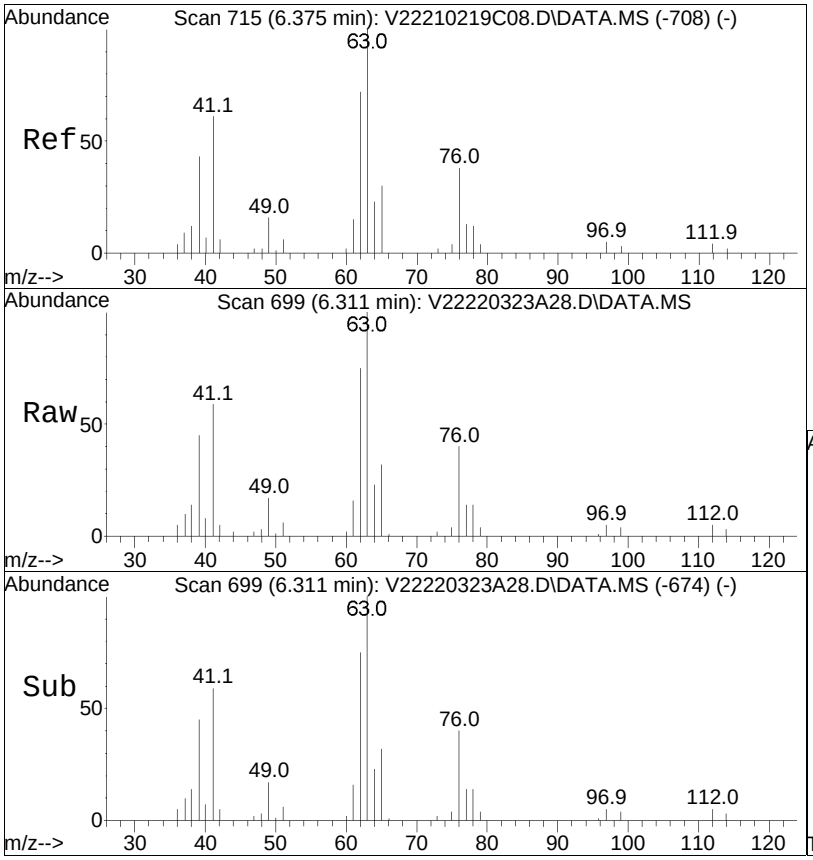


#53
Dibromomethane
Concen: 11.41 ug/L
RT: 6.215 min Scan# 686
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 93 Resp: 23054

Ion	Ratio	Lower	Upper
93	100		
95	85.2	68.0	102.0
174	117.4	106.1	159.1

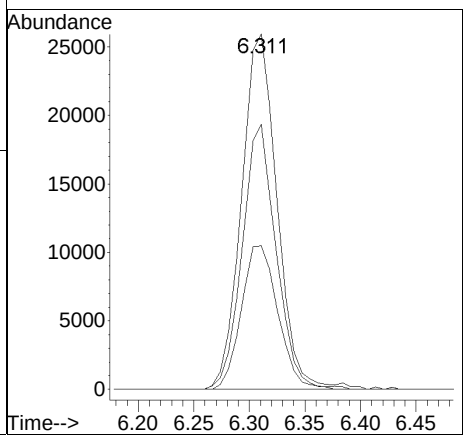


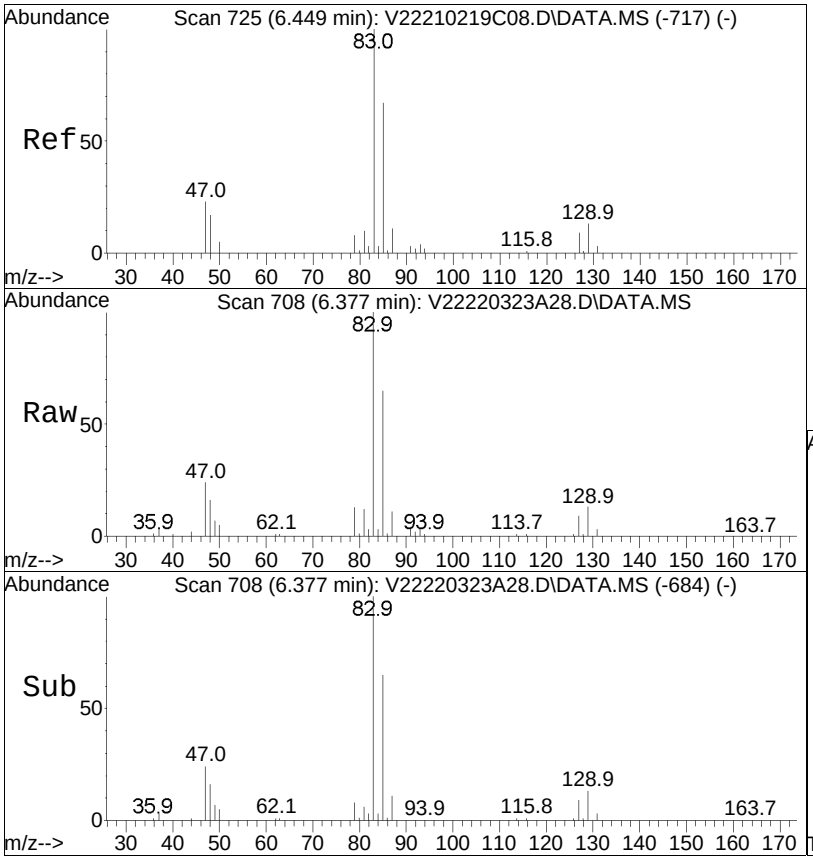


#54
1,2-Dichloropropane
Concen: 12.11 ug/L
RT: 6.311 min Scan# 699
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 63 Resp: 57791

Ion	Ratio	Lower	Upper
63	100		
62	71.1	56.9	85.3
76	41.6	35.8	53.8

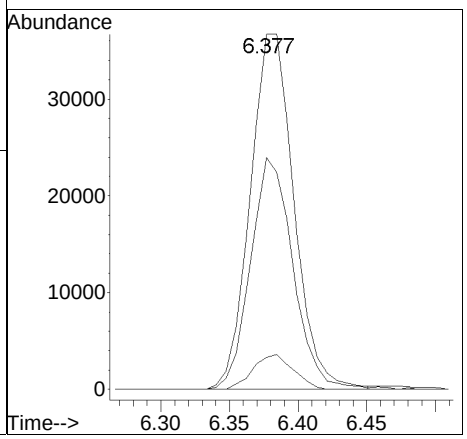


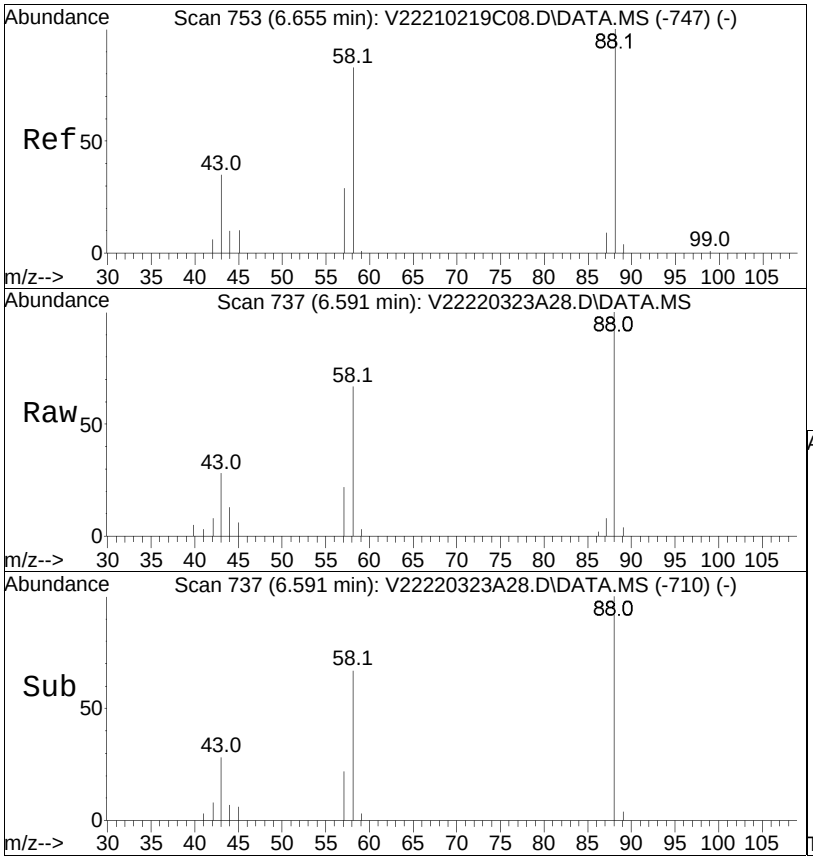


#57
Bromodichloromethane
Concen: 11.39 ug/L
RT: 6.377 min Scan# 708
Delta R.T. -0.007 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 83 Resp: 81542

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.6	77.4
127	9.1	7.4	11.0

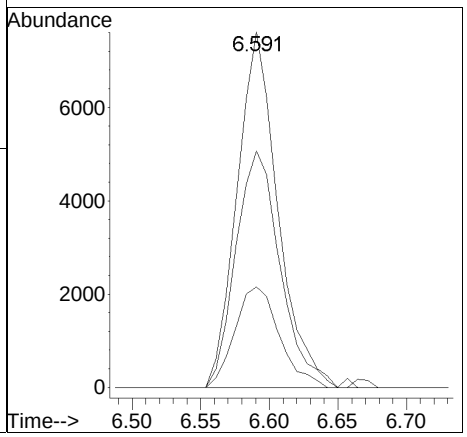


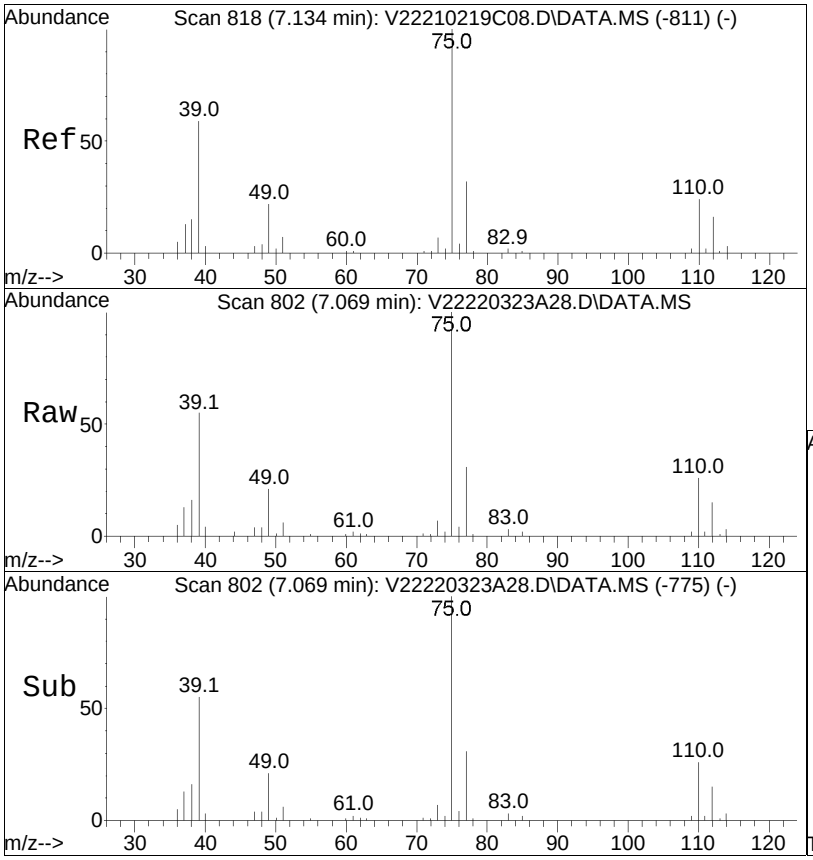


#60
1,4-Dioxane
Concen: 474.85 ug/L
RT: 6.591 min Scan# 737
Delta R.T. 0.001 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 88 Resp: 15836

Ion	Ratio	Lower	Upper
88	100		
58	71.6	43.3	64.9#
43	30.8	15.1	22.7#

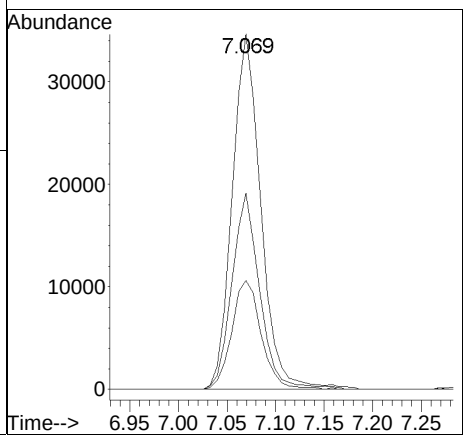


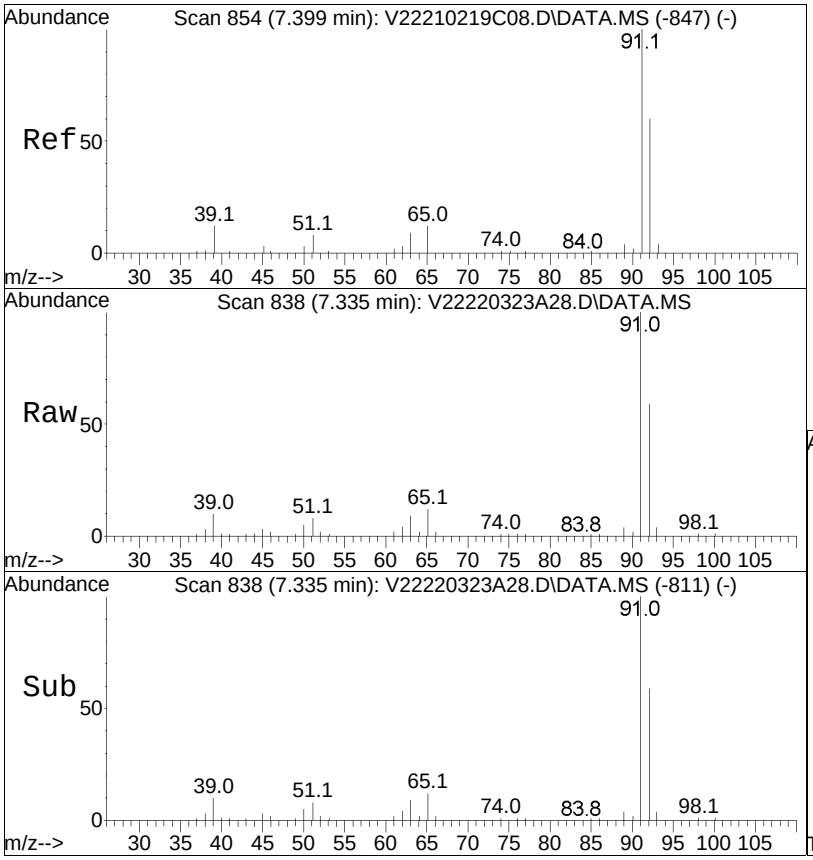


#61
cis-1,3-Dichloropropene
Concen: 10.18 ug/L
RT: 7.069 min Scan# 802
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 75 Resp: 71168

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4
39	53.5	35.4	53.0#

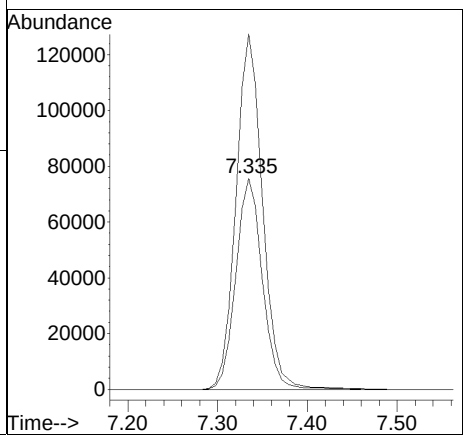


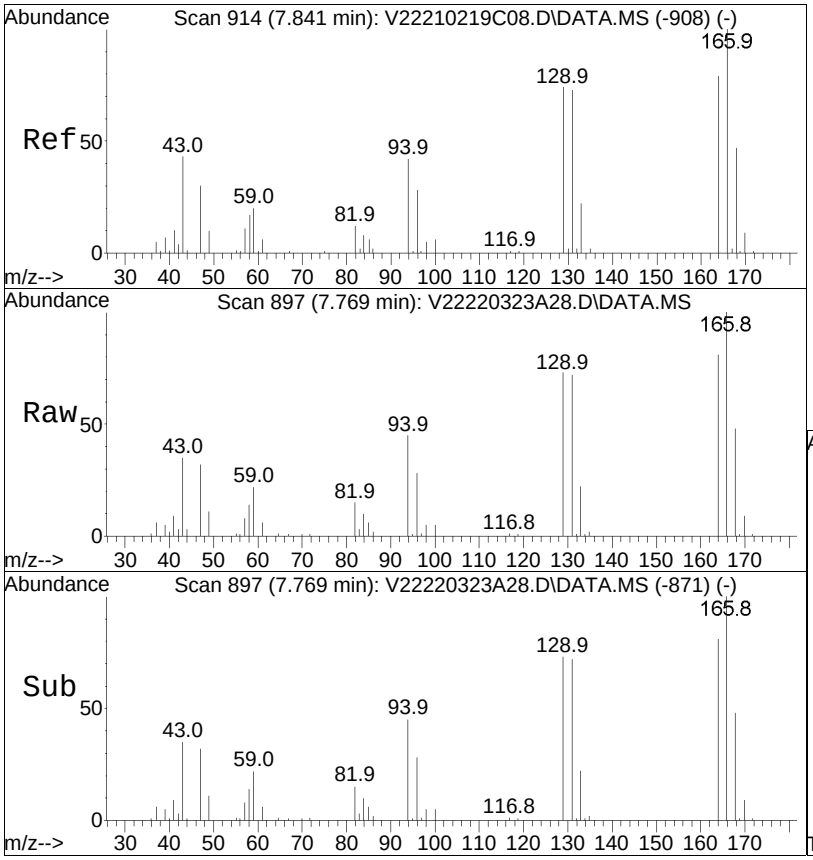


#64
Toluene
Concen: 11.13 ug/L
RT: 7.335 min Scan# 838
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 92 Resp: 155397

Ion	Ratio	Lower	Upper
92	100		
91	168.4	137.0	205.6

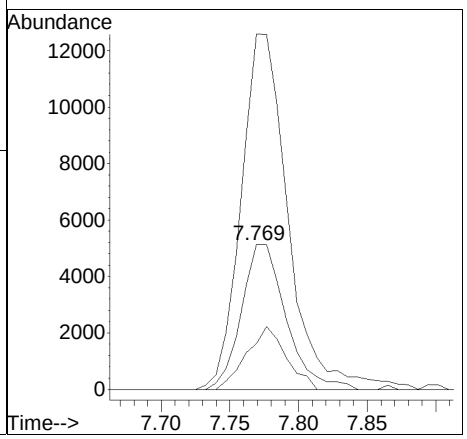


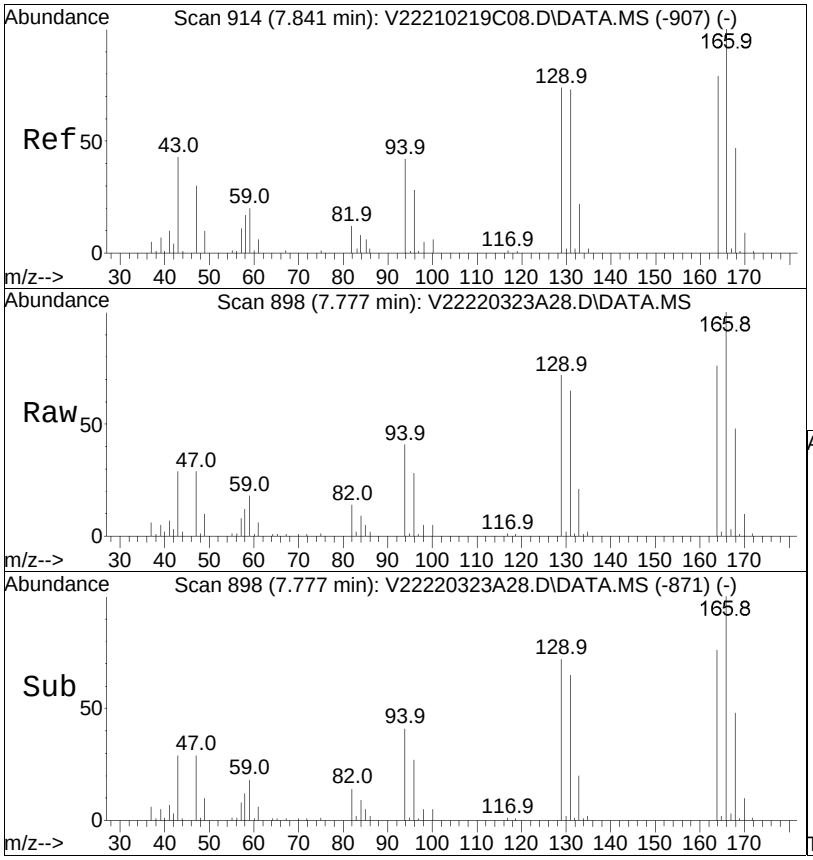


#65
4-Methyl-2-pentanone
Concen: 10.11 ug/L
RT: 7.769 min Scan# 897
Delta R.T. -0.008 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 58 Resp: 11620

Ion	Ratio	Lower	Upper
58	100		
100	38.3	36.2	54.4
43	259.0	181.8	272.8

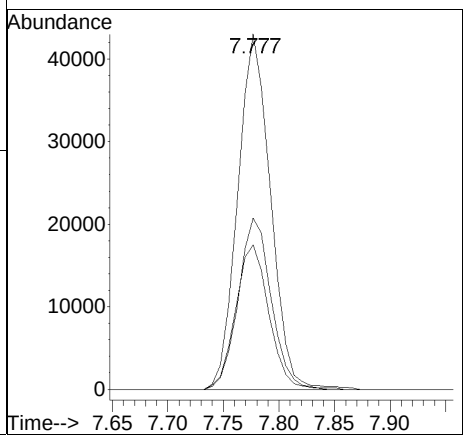


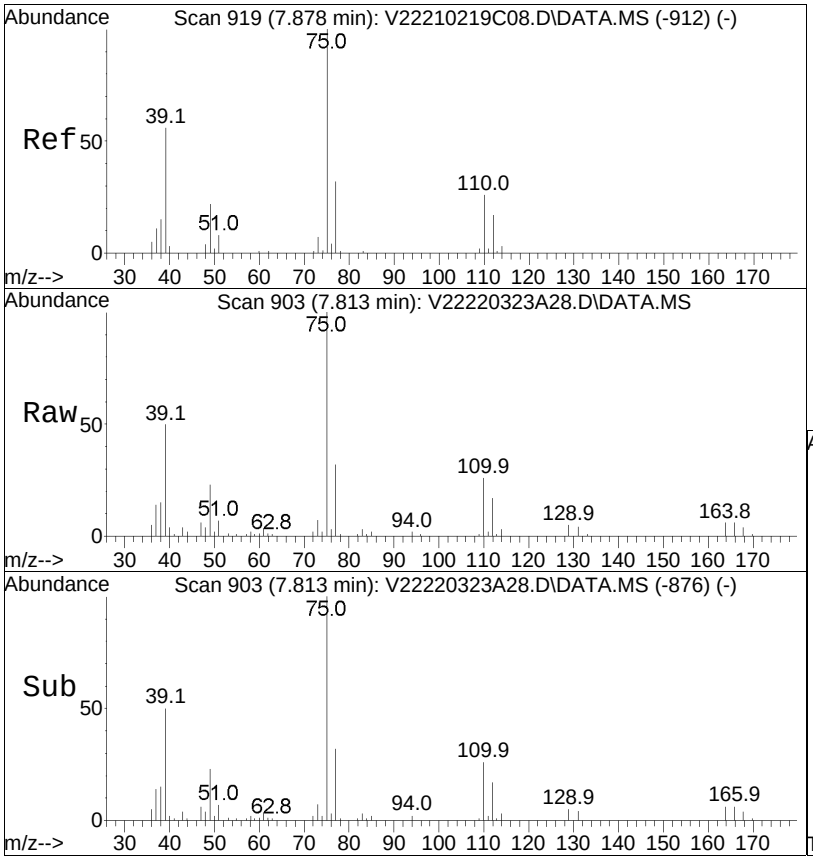


#66
Tetrachloroethene
Concen: 13.42 ug/L
RT: 7.777 min Scan# 898
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:166 Resp: 88448

Ion	Ratio	Lower	Upper
166	100		
168	48.4	27.8	67.8
94	41.0	16.7	56.7

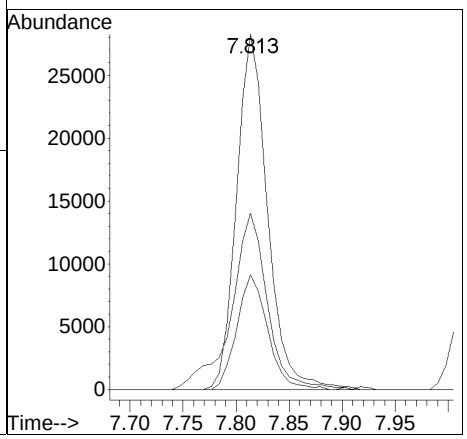


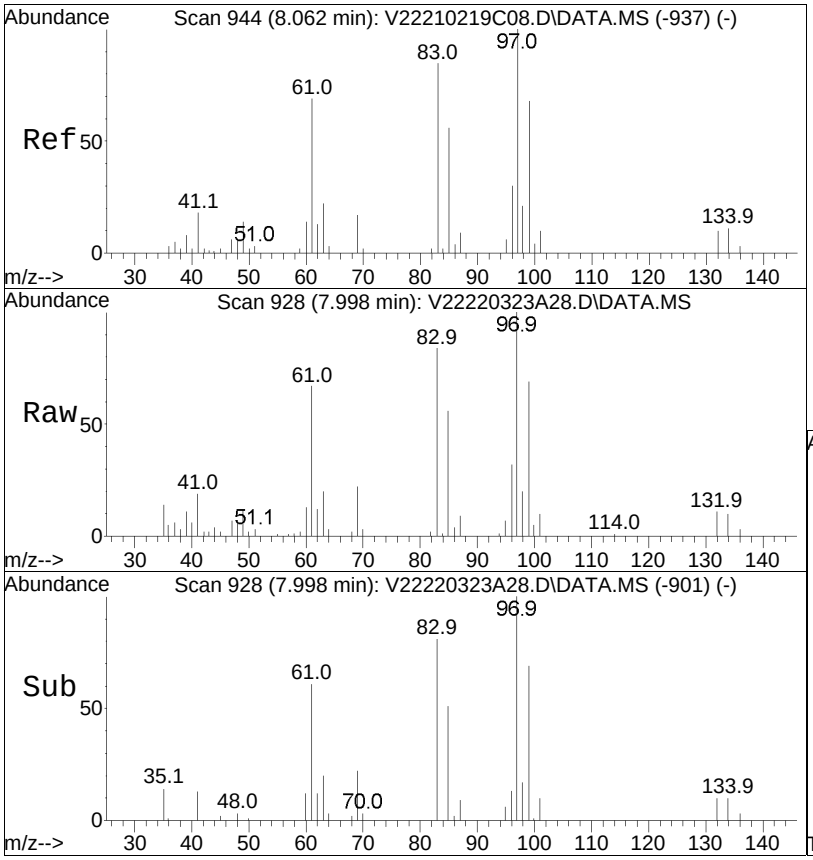


#68
trans-1,3-Dichloropropene
Concen: 7.74 ug/L
RT: 7.813 min Scan# 903
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 75 Resp: 57380

Ion	Ratio	Lower	Upper
75	100		
77	32.1	11.9	51.9
39	57.9	27.4	67.4

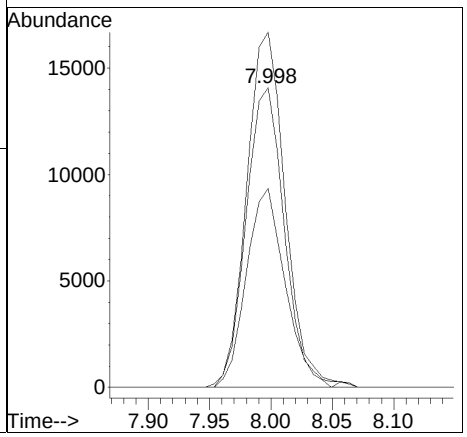


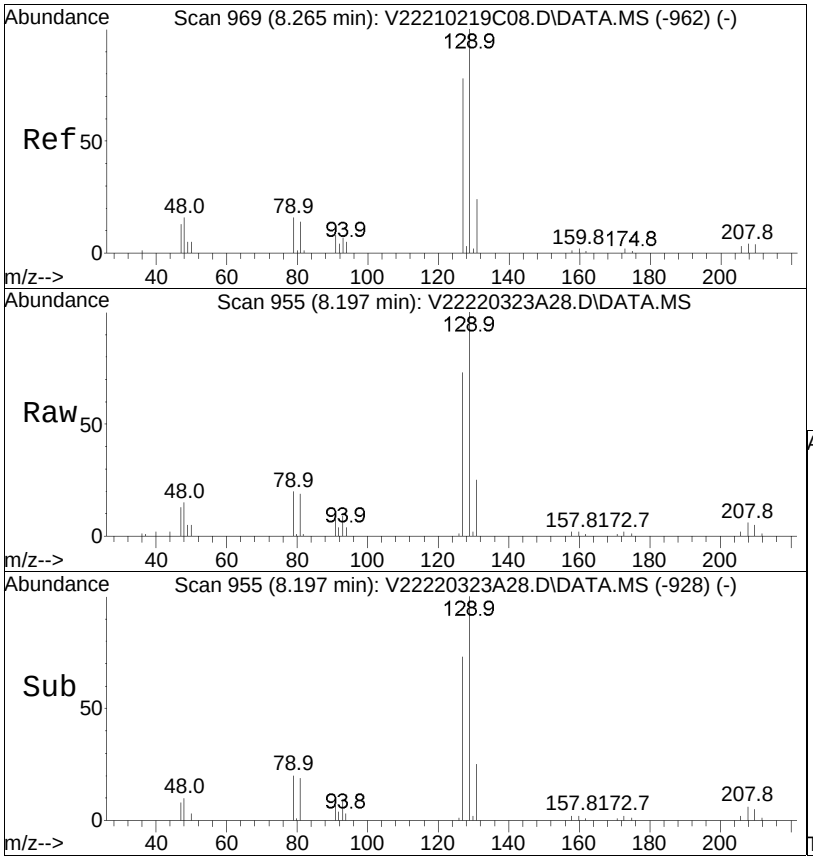


#71
1,1,2-Trichloroethane
Concen: 9.63 ug/L
RT: 7.998 min Scan# 928
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 83 Resp: 30823

Ion	Ratio	Lower	Upper
83	100		
97	118.4	103.4	143.4
85	66.6	47.9	87.9

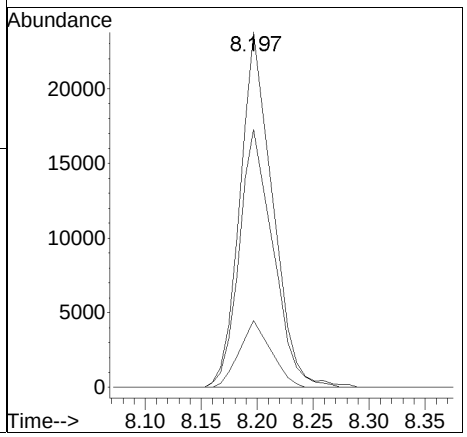


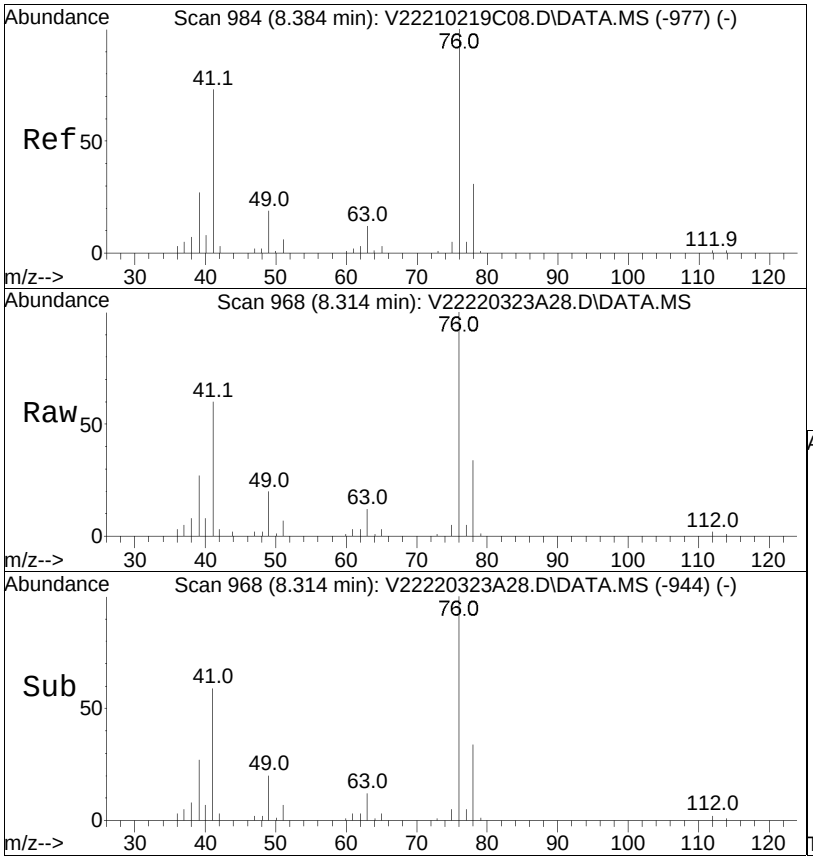


#72
Chlorodibromomethane
Concen: 10.30 ug/L
RT: 8.197 min Scan# 955
Delta R.T. 0.001 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:129 Resp: 38008

Ion	Ratio	Lower	Upper
129	100		
81	19.3	0.0	33.8
127	76.5	57.1	97.1

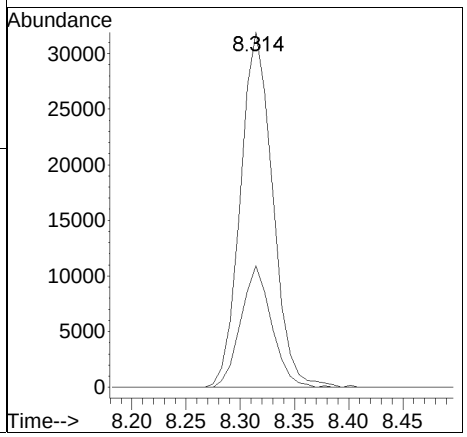


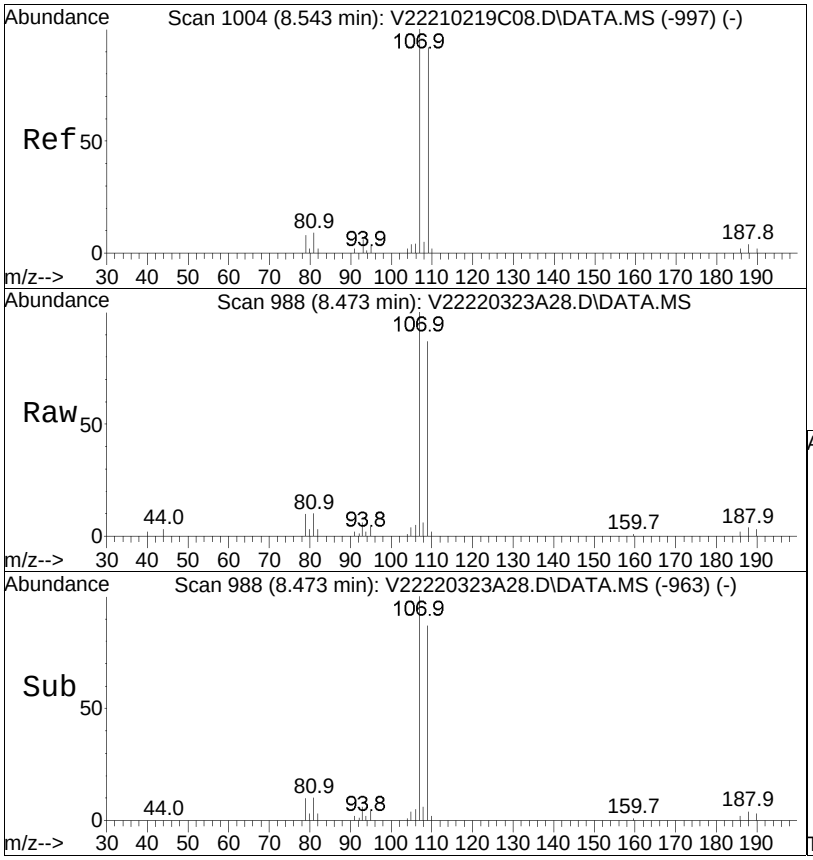


#73
1,3-Dichloropropane
Concen: 10.02 ug/L
RT: 8.314 min Scan# 968
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 76 Resp: 66207

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.7	38.5

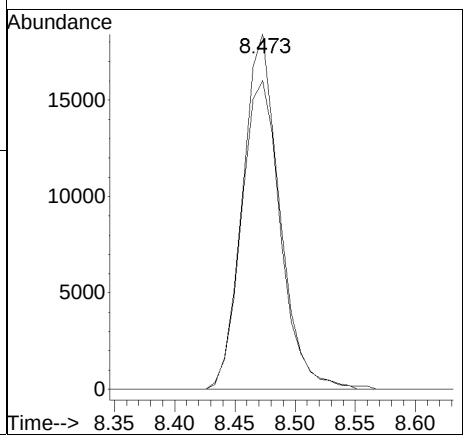


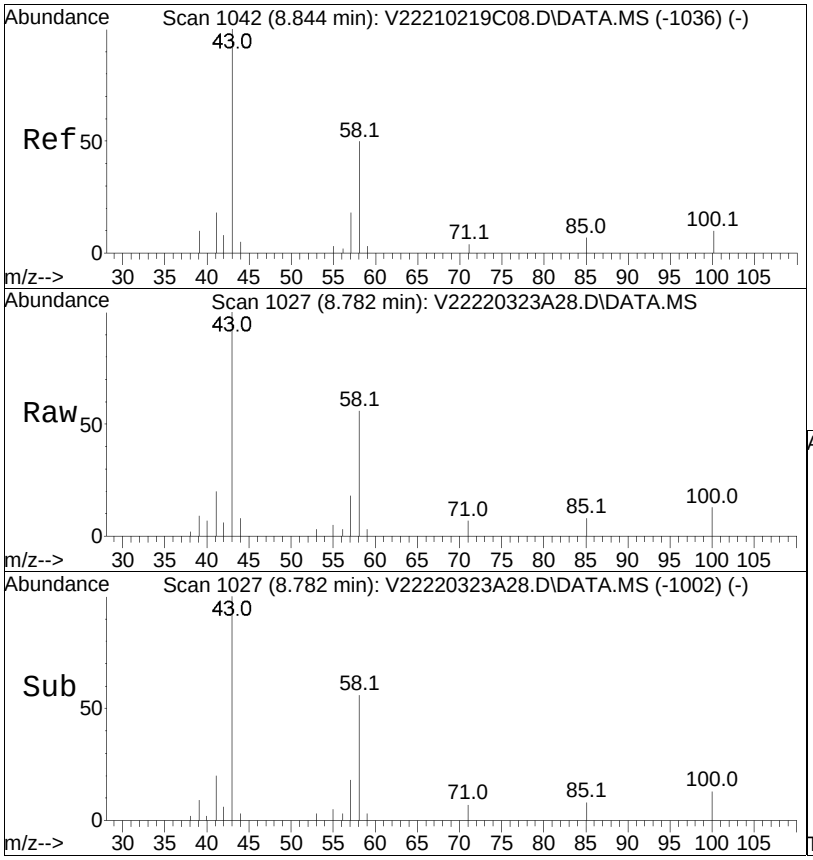


#74
1,2-Dibromoethane
Concen: 9.89 ug/L
RT: 8.473 min Scan# 988
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:107 Resp: 39521

Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.1	112.7

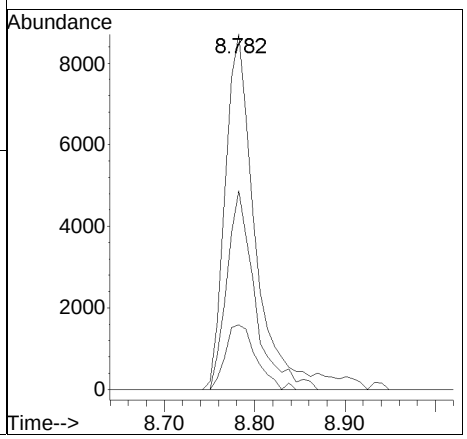


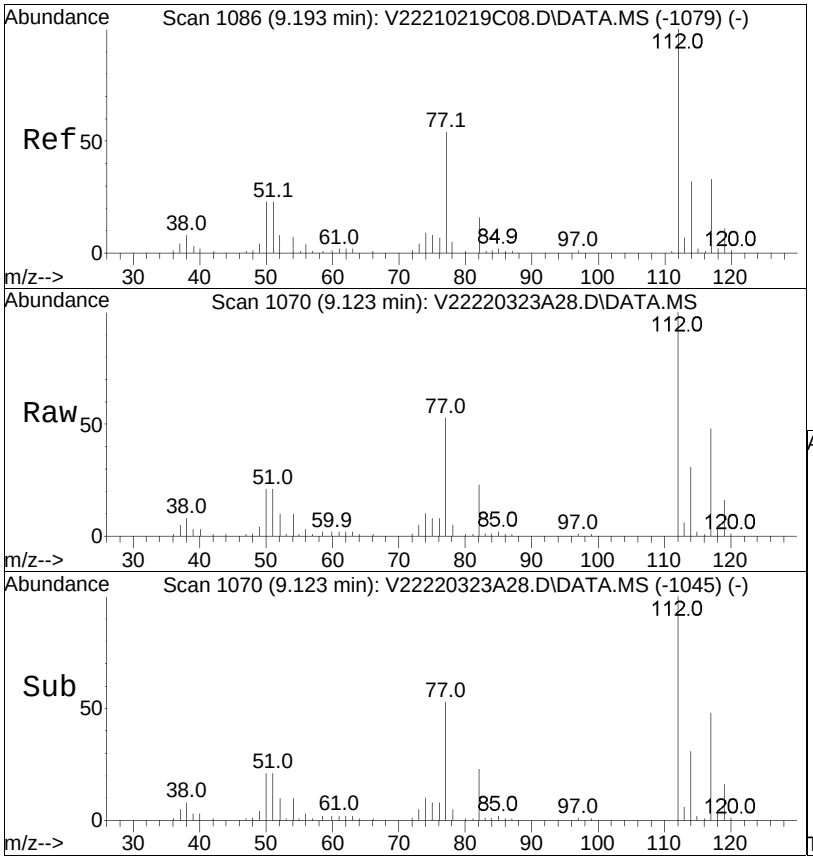


#76
2-Hexanone
Concen: 8.71 ug/L
RT: 8.782 min Scan# 1027
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 43 Resp: 20624

Ion	Ratio	Lower	Upper
43	100		
58	51.2	47.6	71.4
57	18.2	16.6	24.8

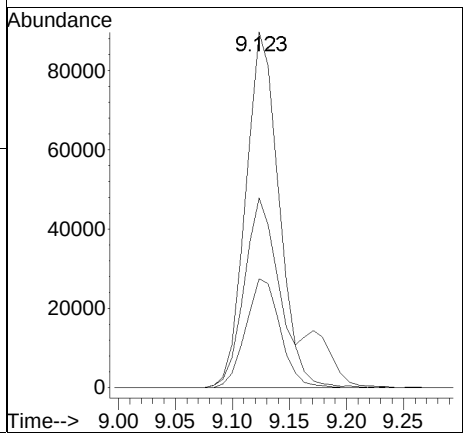


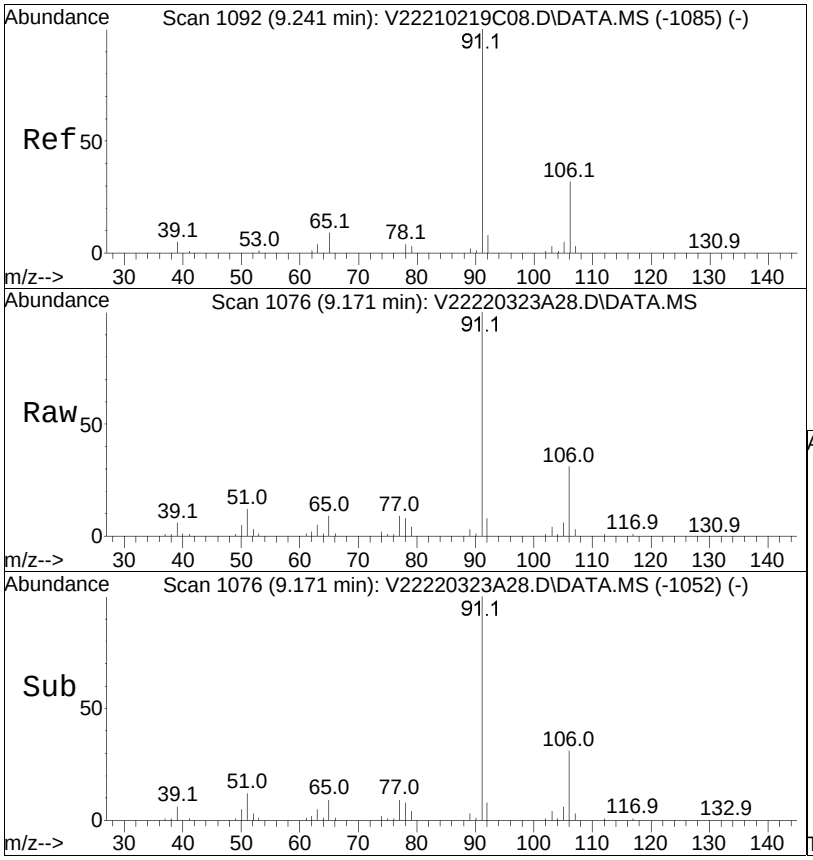


#77
Chlorobenzene
Concen: 11.24 ug/L
RT: 9.123 min Scan# 1070
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:112 Resp: 181090

Ion	Ratio	Lower	Upper
112	100		
77	55.3	55.4	83.0#
114	31.7	26.2	39.4

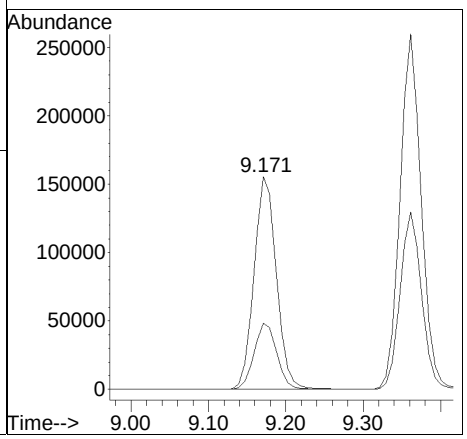


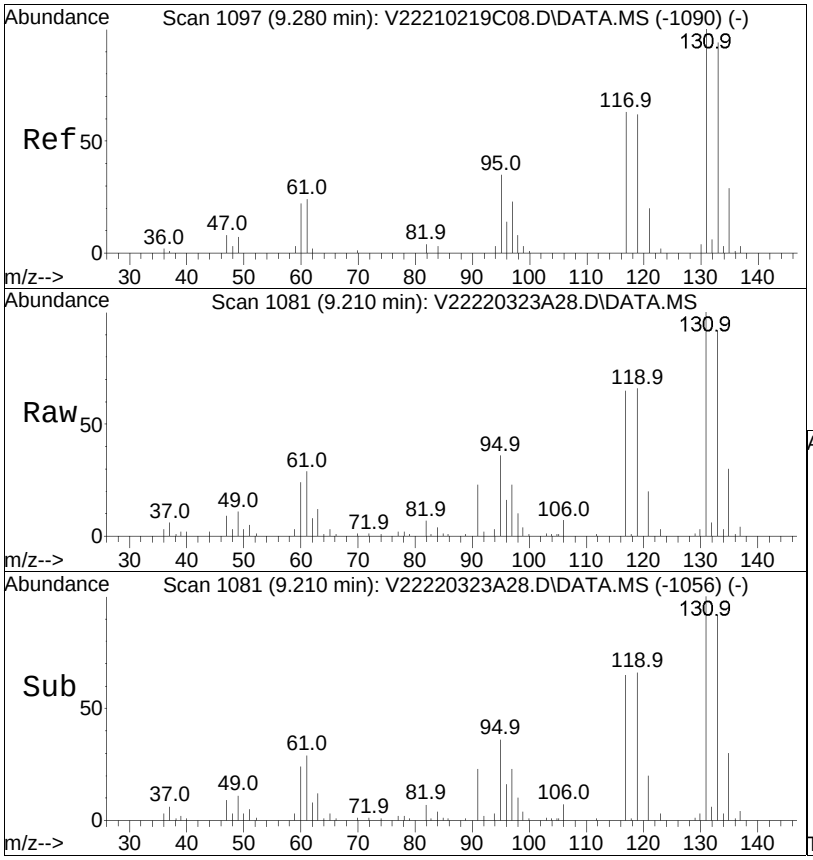


#78
Ethylbenzene
Concen: 11.11 ug/L
RT: 9.171 min Scan# 1076
Delta R.T. -0.008 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 91 Resp: 312953

Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.8	38.6

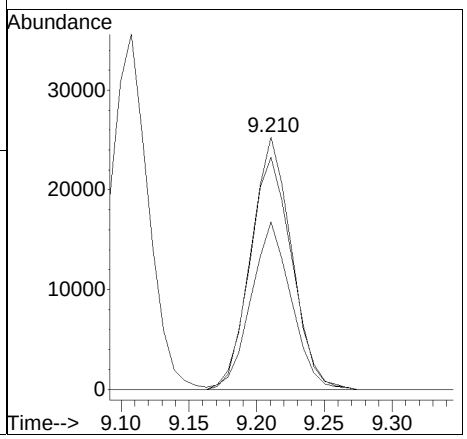


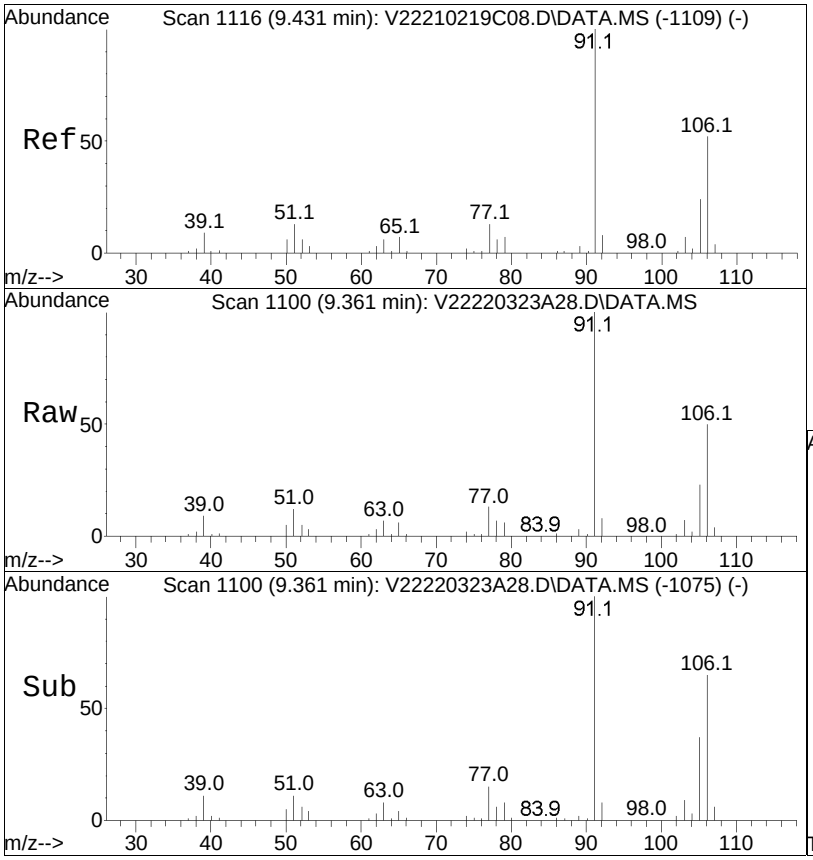


#79
1,1,1,2-Tetrachloroethane
Concen: 9.54 ug/L
RT: 9.210 min Scan# 1081
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:131 Resp: 52784

Ion	Ratio	Lower	Upper
131	100		
133	95.3	75.3	115.3
119	65.5	49.3	89.3

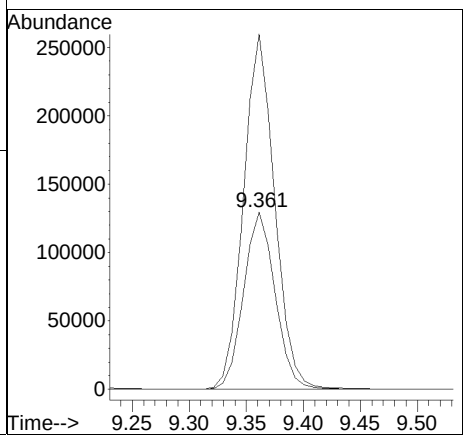


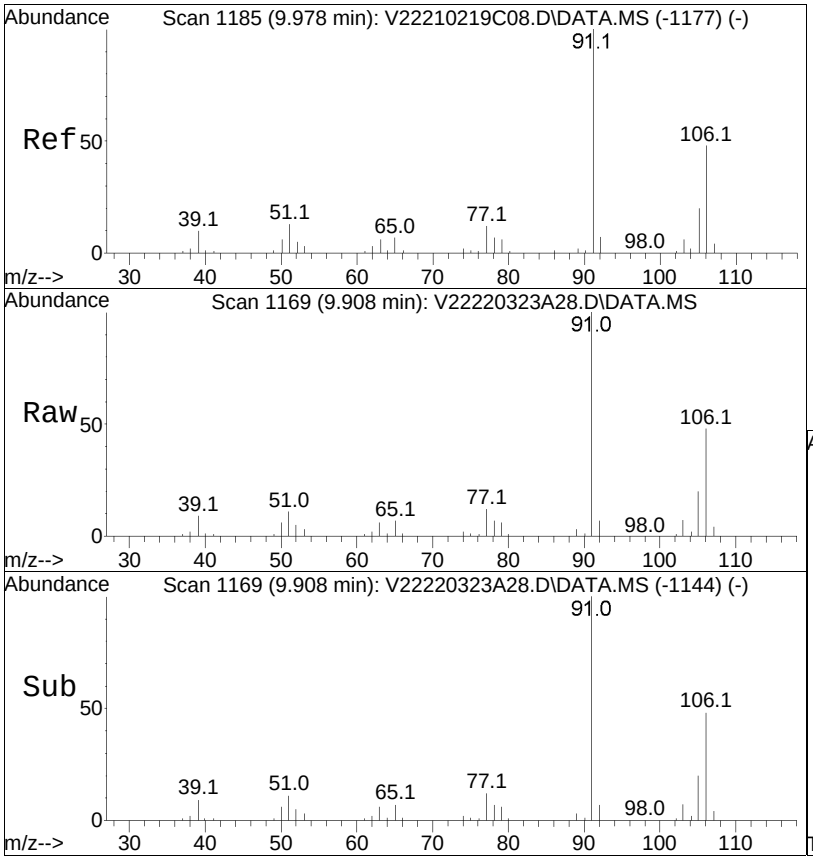


#80
p/m Xylene
Concen: 22.51 ug/L
RT: 9.361 min Scan# 1100
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:106 Resp: 249977

Ion	Ratio	Lower	Upper
106	100		
91	197.8	156.0	234.0

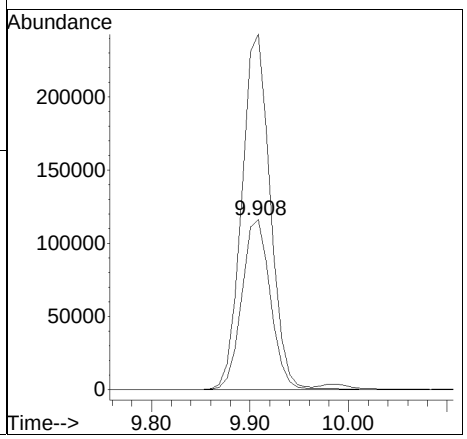


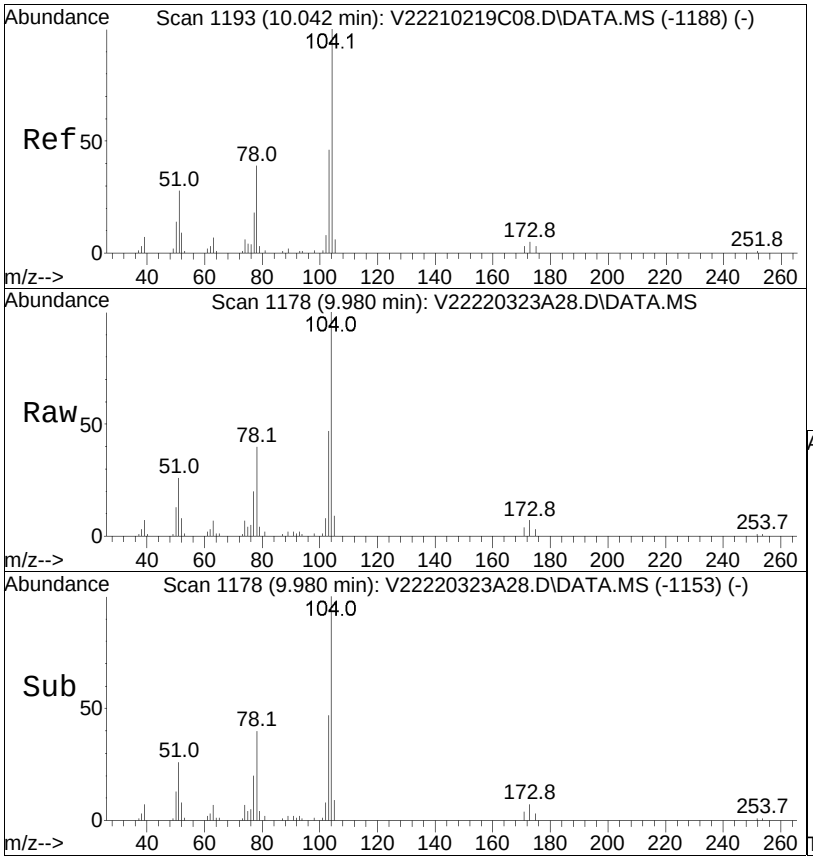


#81
o Xylene
Concen: 22.07 ug/L
RT: 9.908 min Scan# 1169
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:106 Resp: 234326

Ion	Ratio	Lower	Upper
106	100		
91	207.2	164.0	246.0

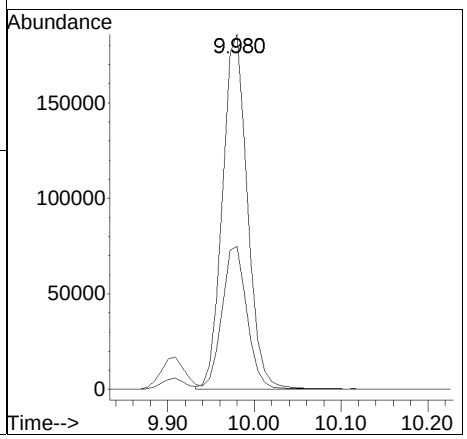


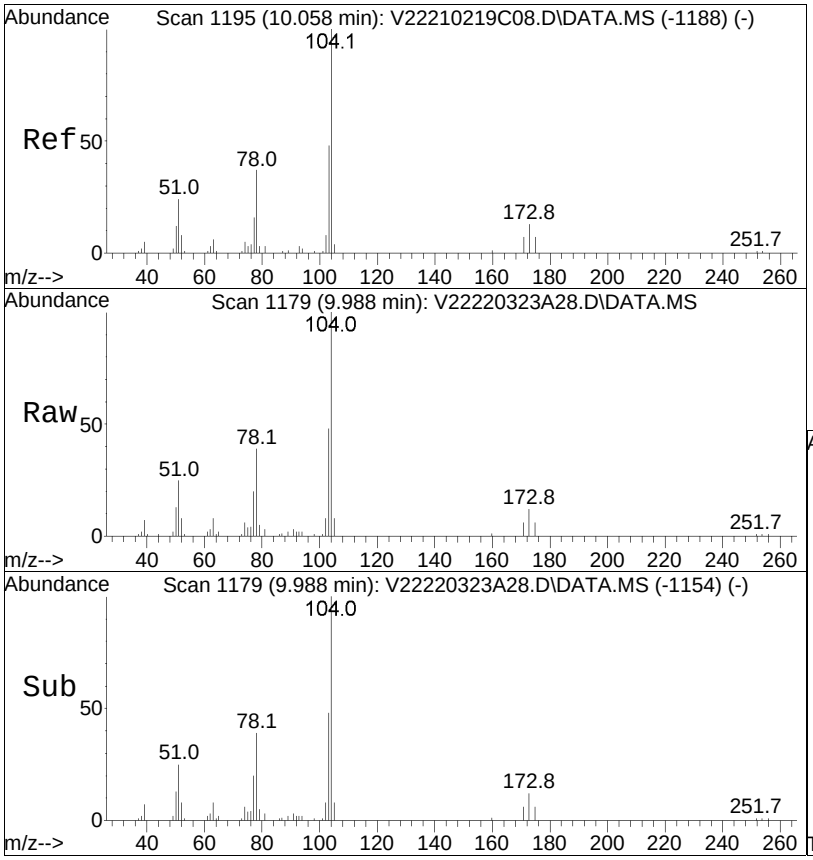


#82
Styrene
Concen: 21.18 ug/L
RT: 9.980 min Scan# 1178
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:104 Resp: 371129

Ion	Ratio	Lower	Upper
104	100		
78	40.5	32.1	48.1

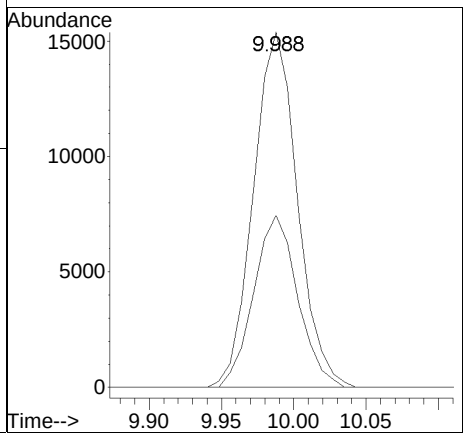


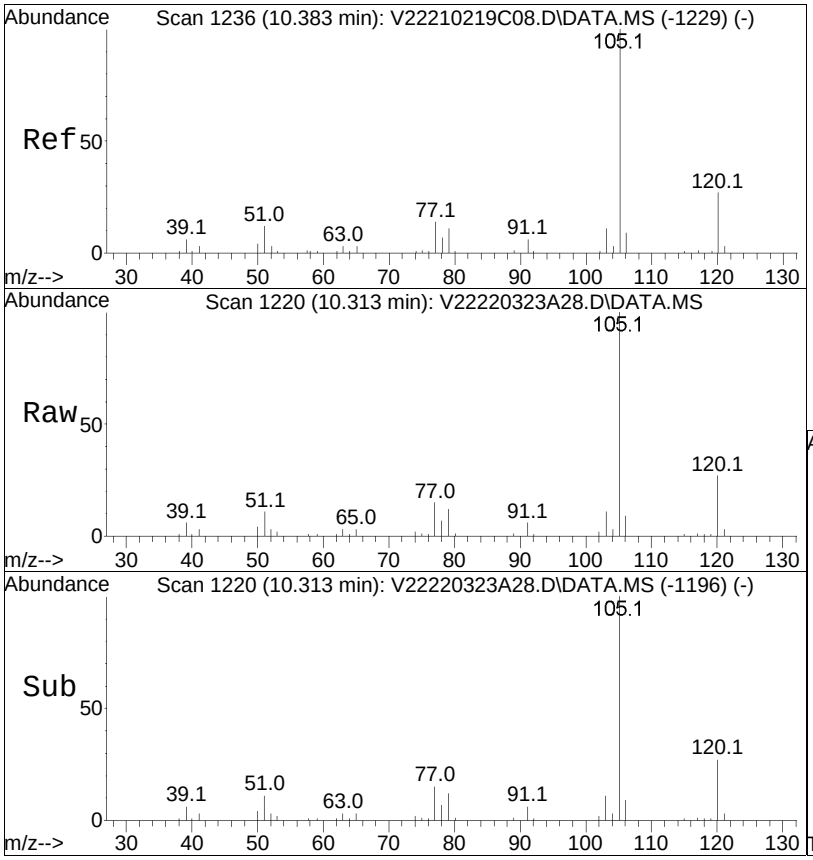


#84
Bromoform
Concen: 9.45 ug/L
RT: 9.988 min Scan# 1179
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:173 Resp: 32568

Ion	Ratio	Lower	Upper
173	100		
175	48.4	29.3	69.3

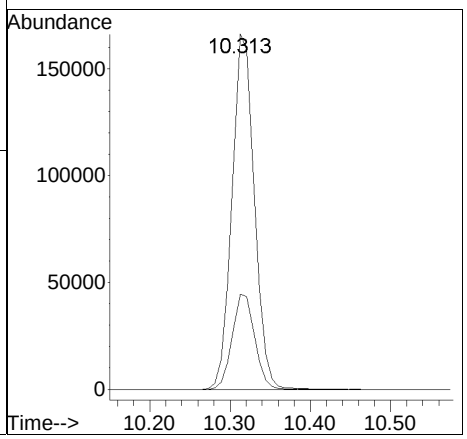


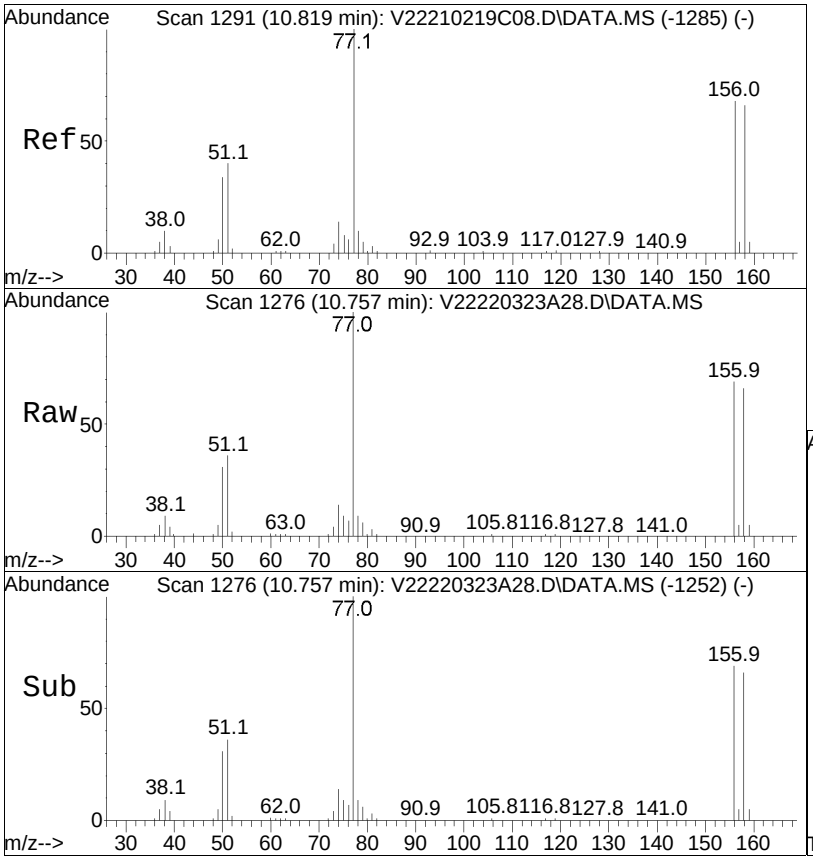


#86
Isopropylbenzene
Concen: 10.40 ug/L
RT: 10.313 min Scan# 1220
Delta R.T. -0.008 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:105 Resp: 322075

Ion	Ratio	Lower	Upper
105	100		
120	27.0	7.7	47.7

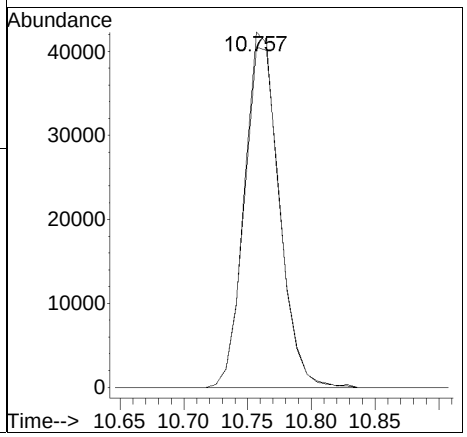


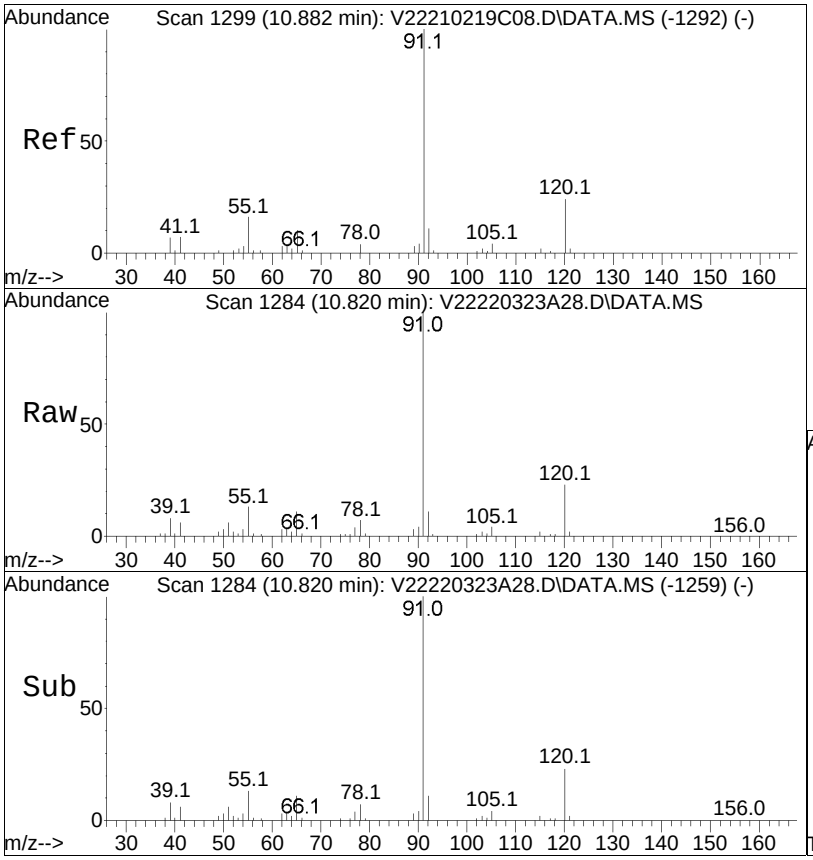


#88
Bromobenzene
Concen: 10.95 ug/L
RT: 10.757 min Scan# 1276
Delta R.T. -0.008 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:156 Resp: 79847

Ion	Ratio	Lower	Upper
156	100		
158	98.1	77.9	116.9

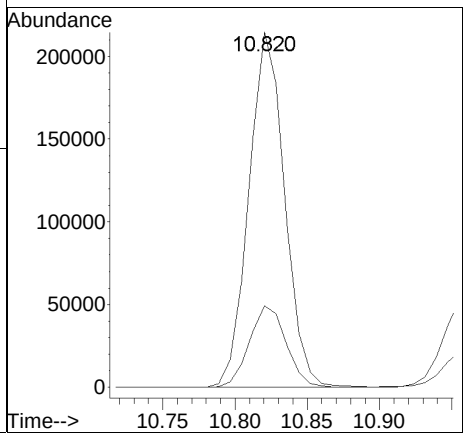


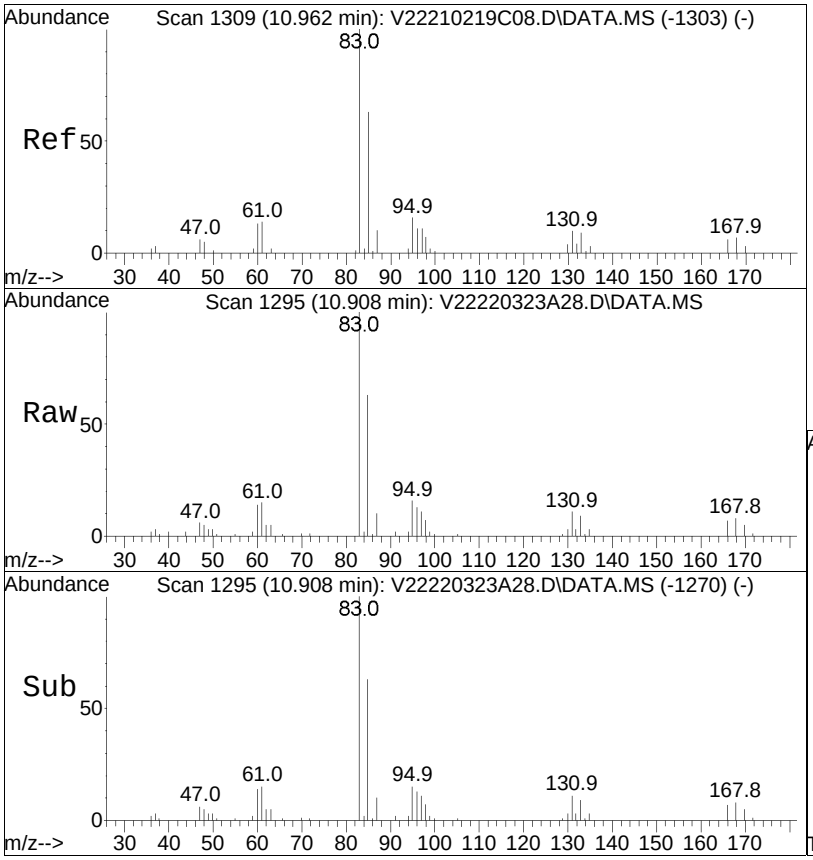


#89
n-Propylbenzene
Concen: 10.31 ug/L
RT: 10.820 min Scan# 1284
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 91 Resp: 369464

Ion	Ratio	Lower	Upper
91	100		
120	23.6	19.5	29.3

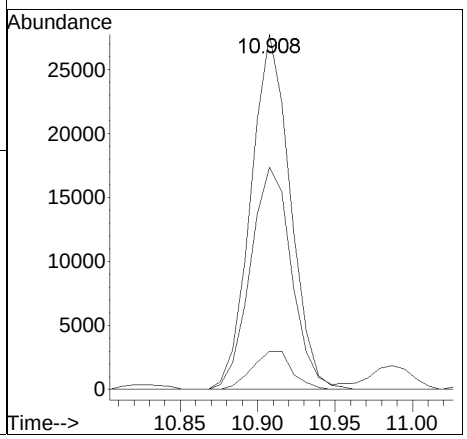


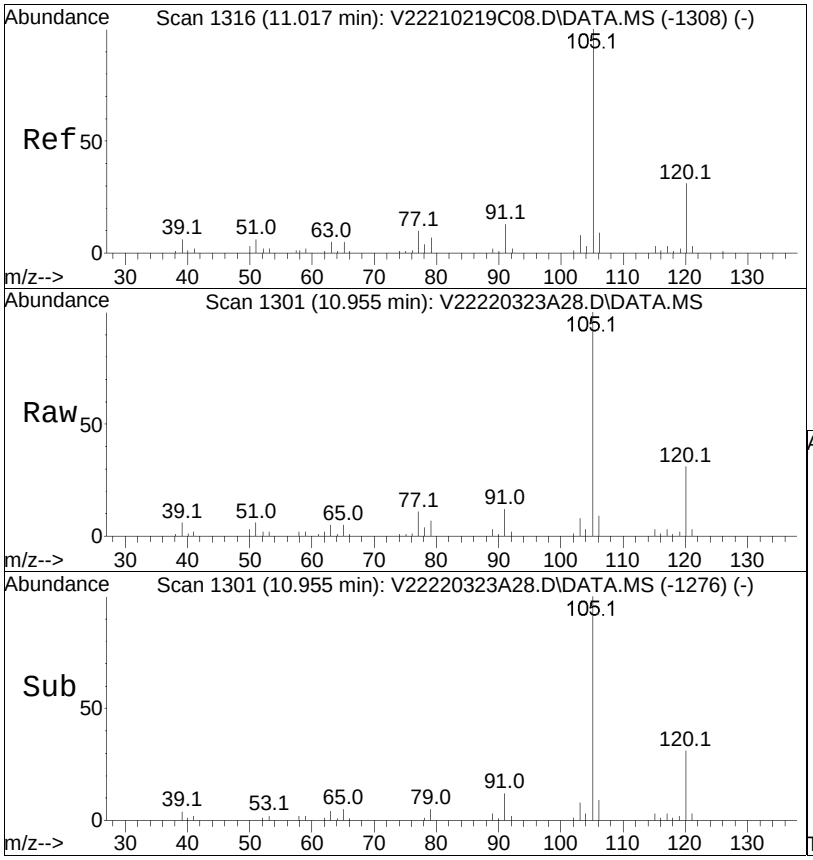


#91
1,1,2,2-Tetrachloroethane
Concen: 10.07 ug/L
RT: 10.908 min Scan# 1295
Delta R.T. 0.001 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 83 Resp: 49026

Ion	Ratio	Lower	Upper
83	100		
131	11.0	0.0	30.8
85	66.0	45.4	85.4

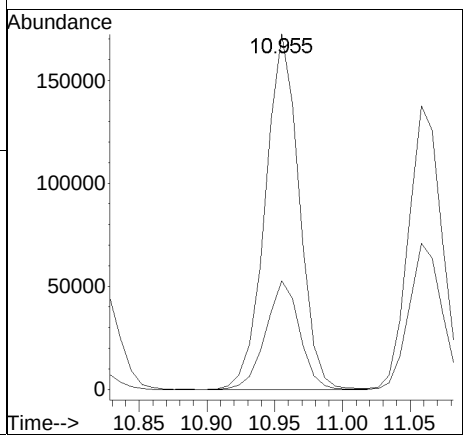


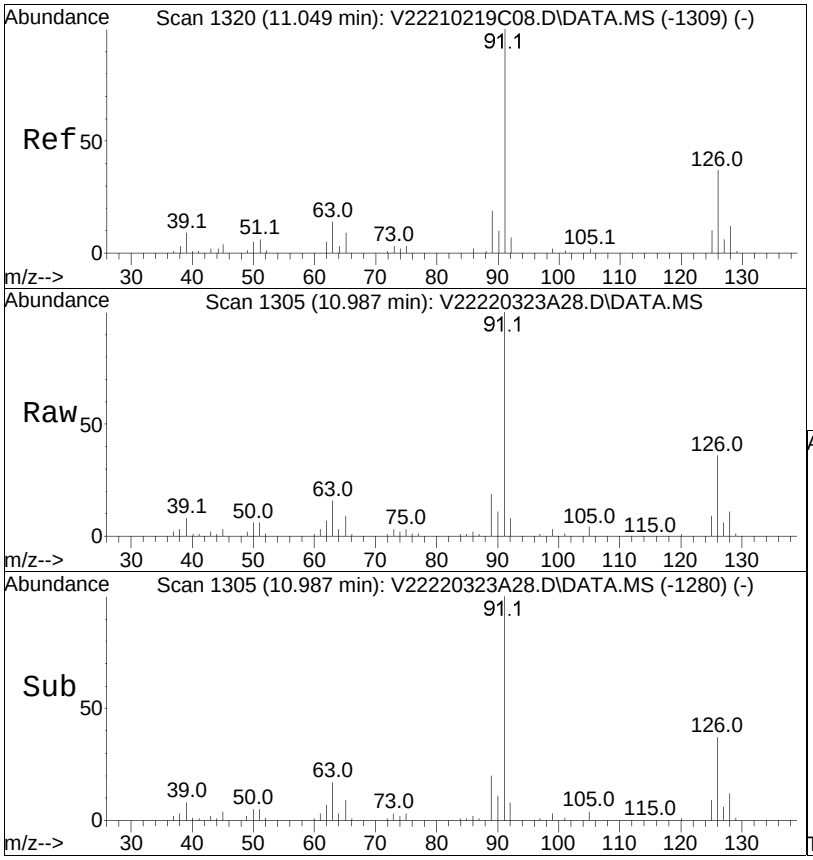


#92
4-Ethyltoluene
Concen: 10.00 ug/L
RT: 10.955 min Scan# 1301
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:105 Resp: 299565

Ion	Ratio	Lower	Upper
105	100		
120	30.5	19.8	41.0

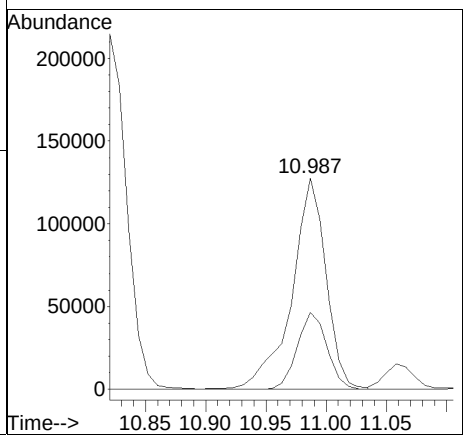


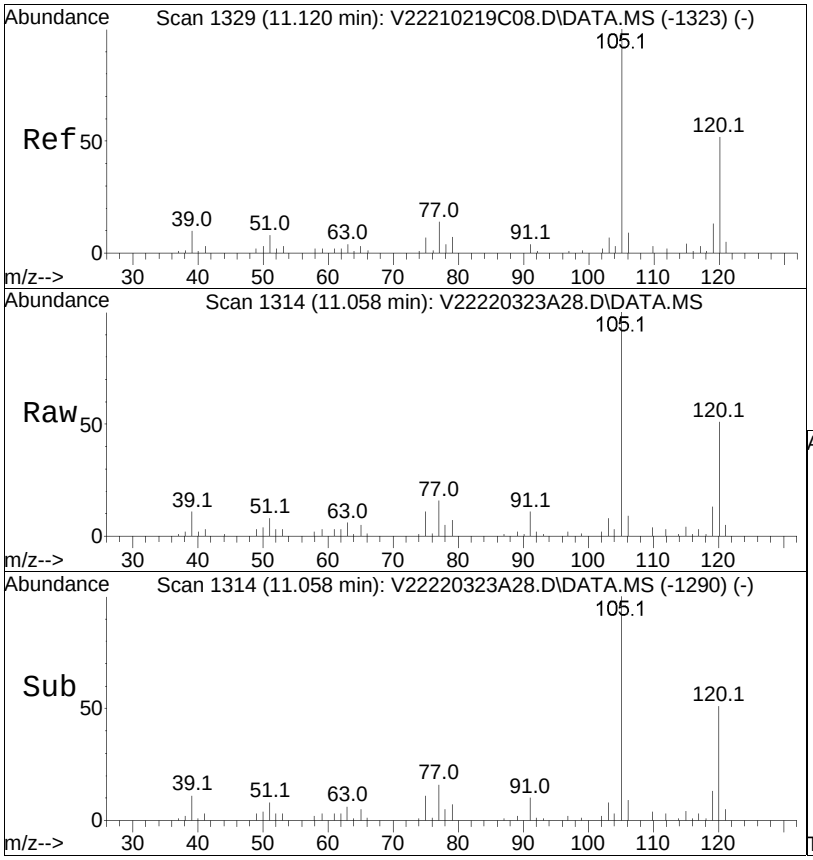


#93
2-Chlorotoluene
Concen: 10.24 ug/L
RT: 10.987 min Scan# 1305
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 91 Resp: 250419

Ion	Ratio	Lower	Upper
91	100		
126	32.0	24.6	37.0

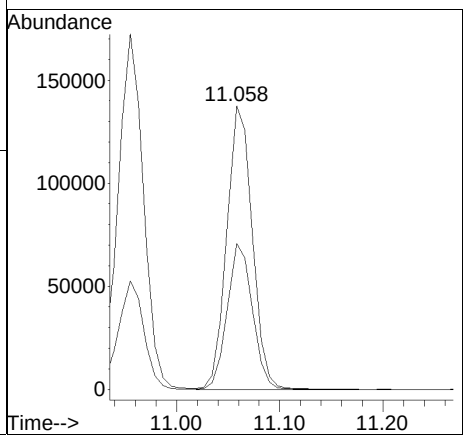


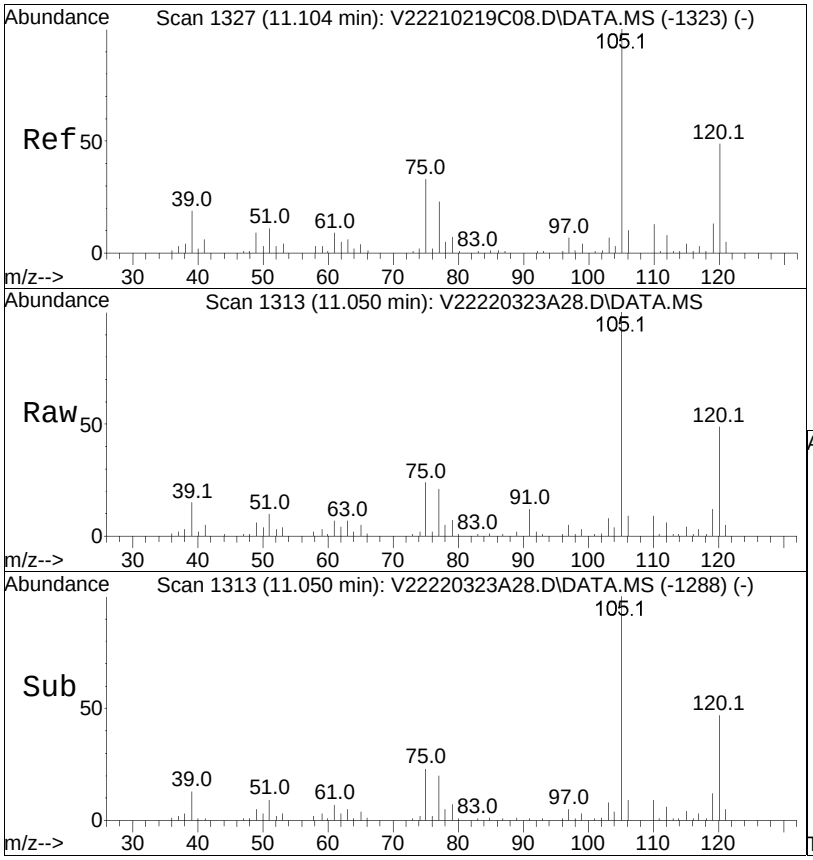


#94
1,3,5-Trimethylbenzene
Concen: 9.41 ug/L
RT: 11.058 min Scan# 1314
Delta R.T. -0.008 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:105 Resp: 237063

Ion	Ratio	Lower	Upper
105	100		
120	50.8	40.9	61.3

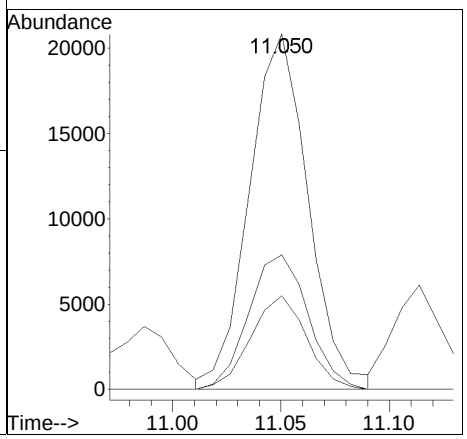


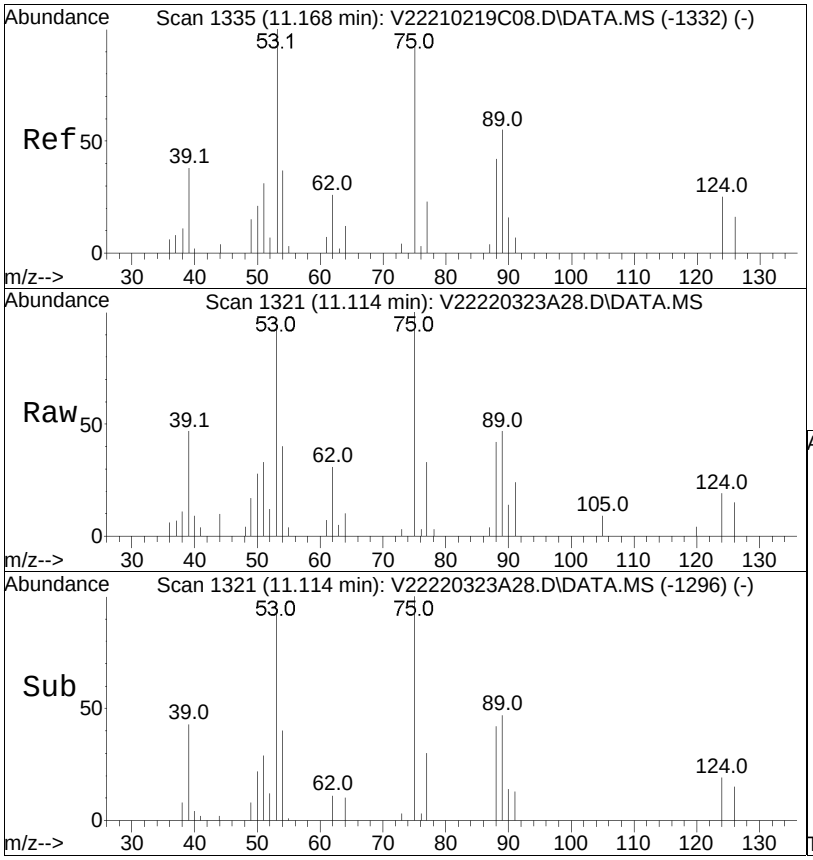


#95
1,2,3-Trichloropropane
Concen: 9.84 ug/L
RT: 11.050 min Scan# 1313
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 75 Resp: 39323

Ion	Ratio	Lower	Upper
75	100		
110	38.3	26.3	54.7
112	25.1	16.8	35.0

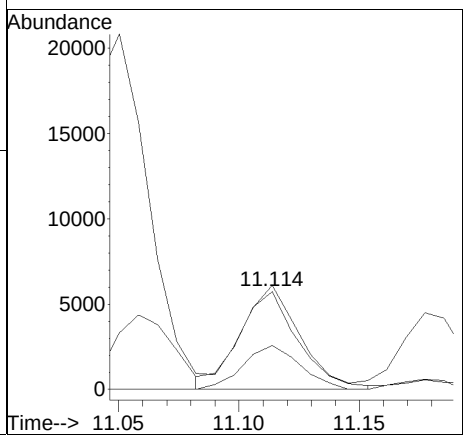


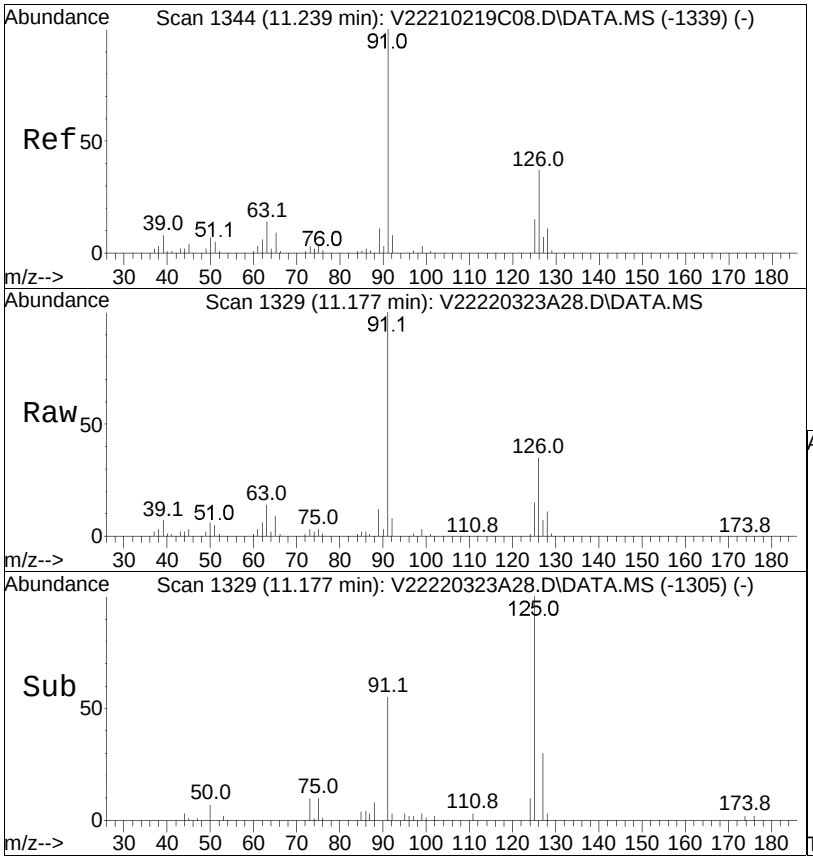


#96
trans-1,4-Dichloro-2-butene
Concen: 6.37 ug/L
RT: 11.114 min Scan# 1321
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 53 Resp: 9793

Ion	Ratio	Lower	Upper
53	100		
88	43.4	46.3	69.5#
75	98.4	109.0	163.4#

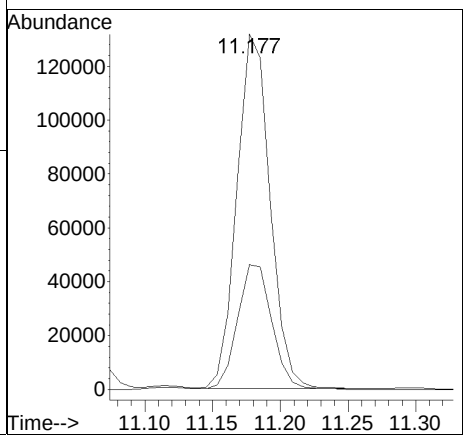


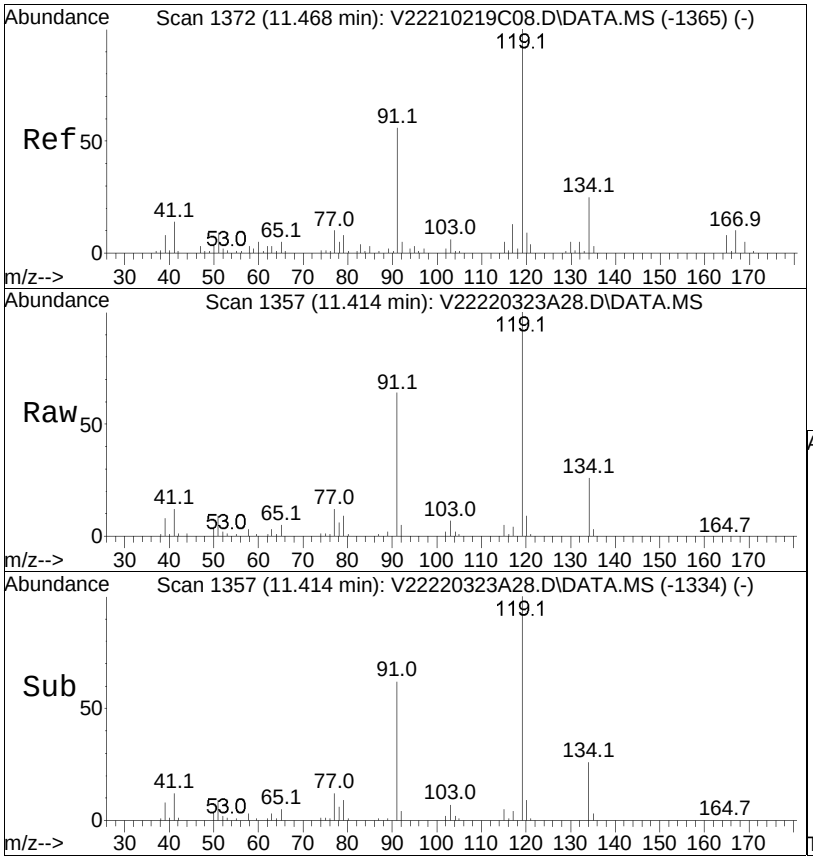


#97
4-Chlorotoluene
Concen: 10.25 ug/L
RT: 11.177 min Scan# 1329
Delta R.T. -0.008 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 91 Resp: 224177

Ion	Ratio	Lower	Upper
91	100		
126	36.6	28.5	42.7

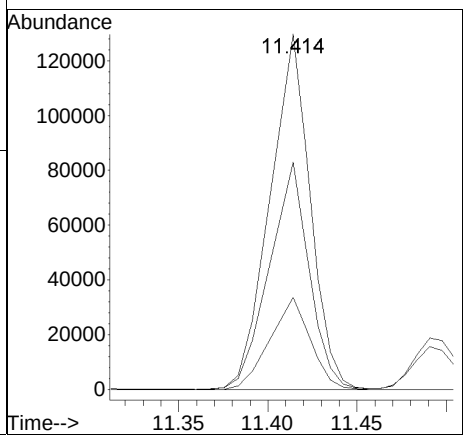


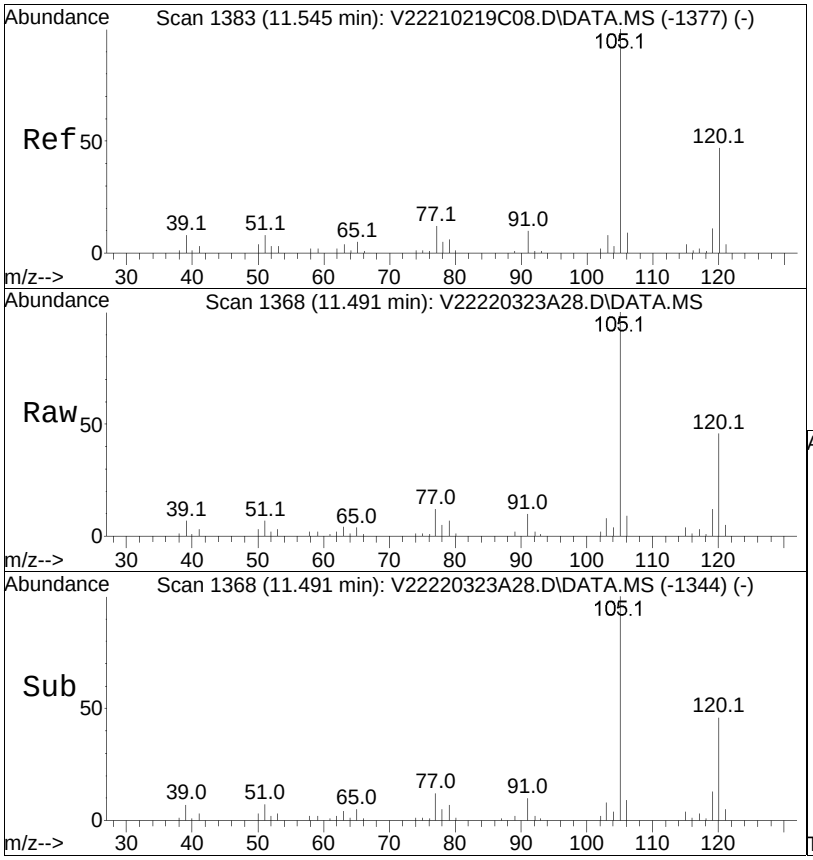


#98
tert-Butylbenzene
Concen: 9.06 ug/L
RT: 11.414 min Scan# 1357
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:119 Resp: 162038

Ion	Ratio	Lower	Upper
119	100		
91	62.4	50.2	75.4
134	25.8	20.8	31.2

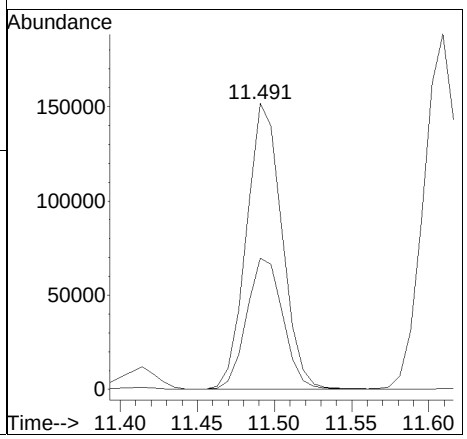


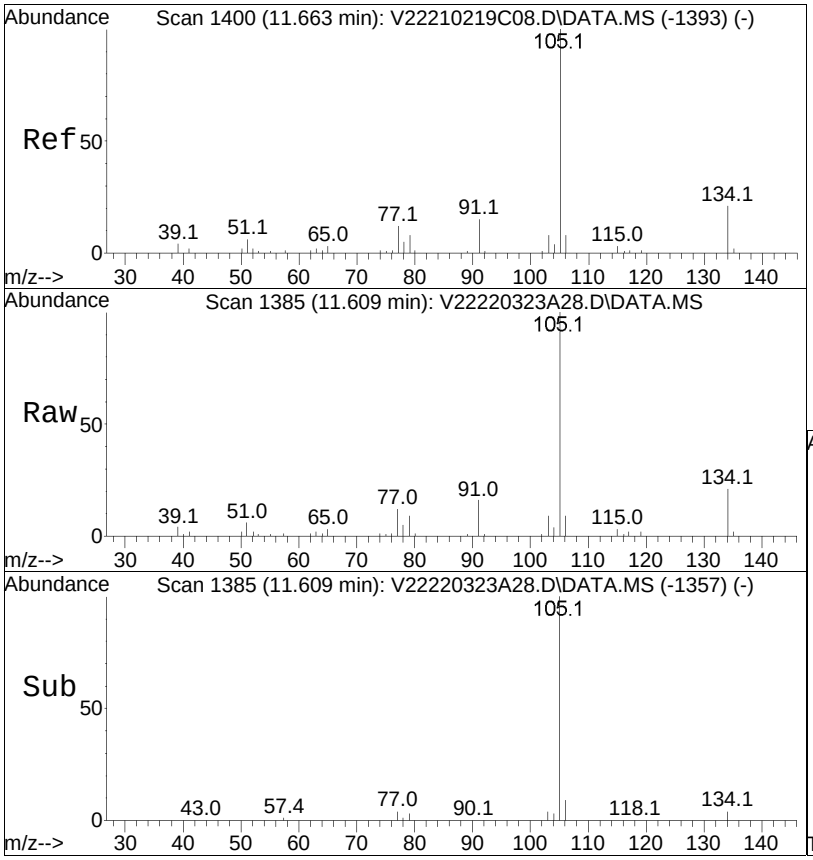


#101
1,2,4-Trimethylbenzene
Concen: 9.84 ug/L
RT: 11.491 min Scan# 1368
Delta R.T. -0.007 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:105 Resp: 243432

Ion	Ratio	Lower	Upper
105	100		
120	46.9	38.5	57.7

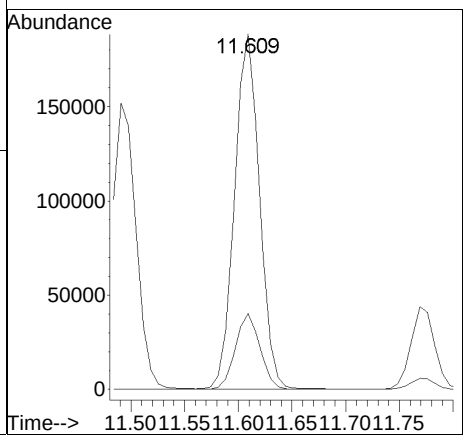


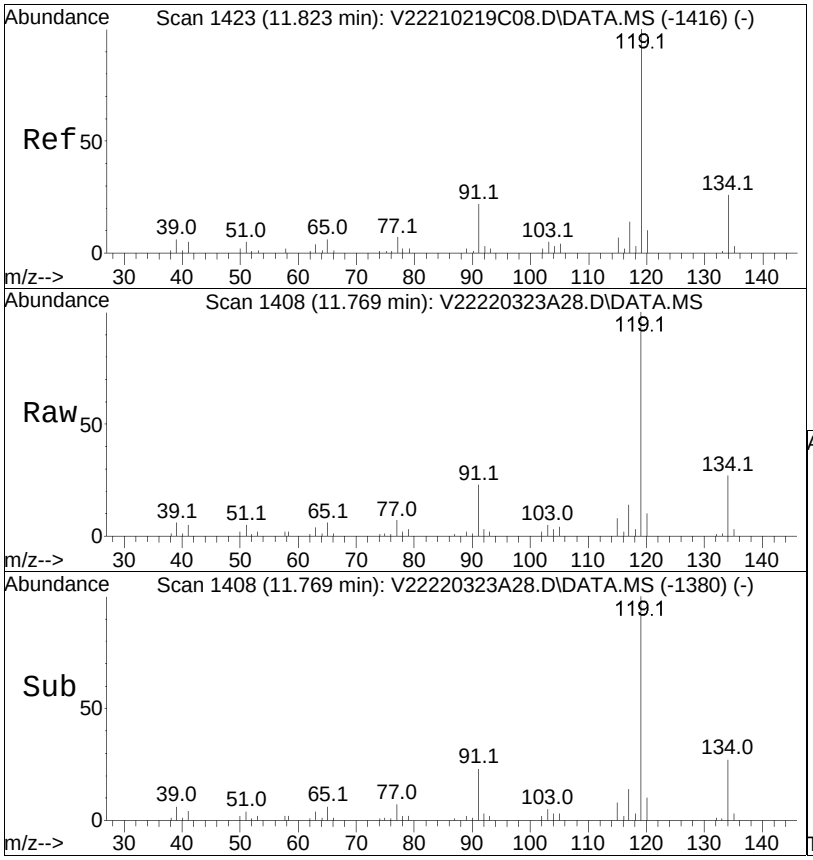


#102
sec-Butylbenzene
Concen: 9.59 ug/L
RT: 11.609 min Scan# 1385
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:105 Resp: 305076

Ion	Ratio	Lower	Upper
105	100		
134	21.0	13.9	28.9

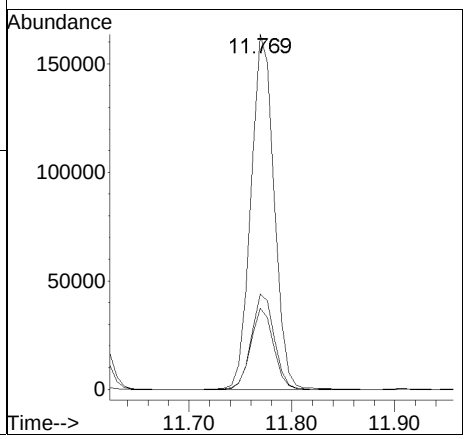


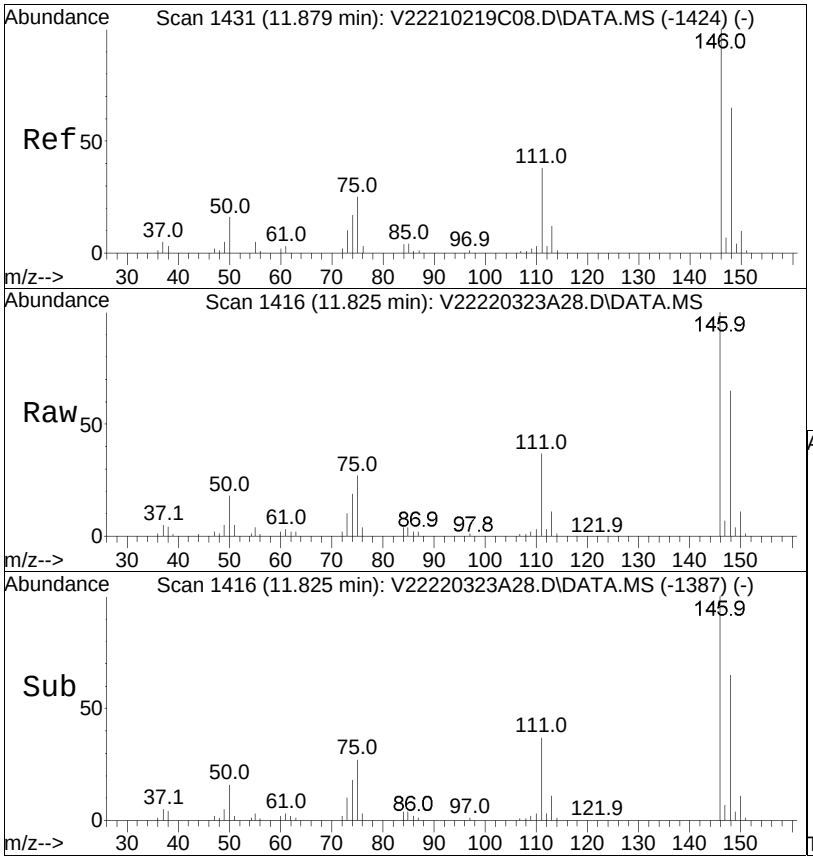


#103
p-Isopropyltoluene
Concen: 9.32 ug/L
RT: 11.769 min Scan# 1408
Delta R.T. -0.007 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:119 Resp: 255663

Ion	Ratio	Lower	Upper
119	100		
134	26.5	17.7	36.7
91	22.6	14.1	29.3

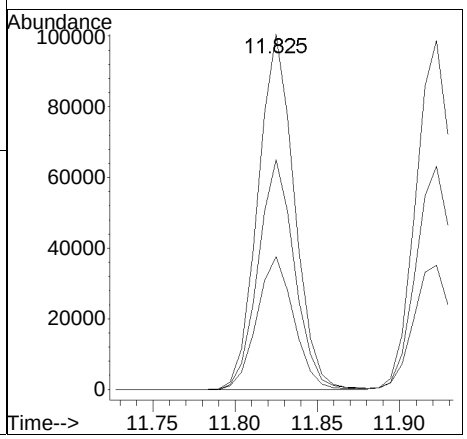


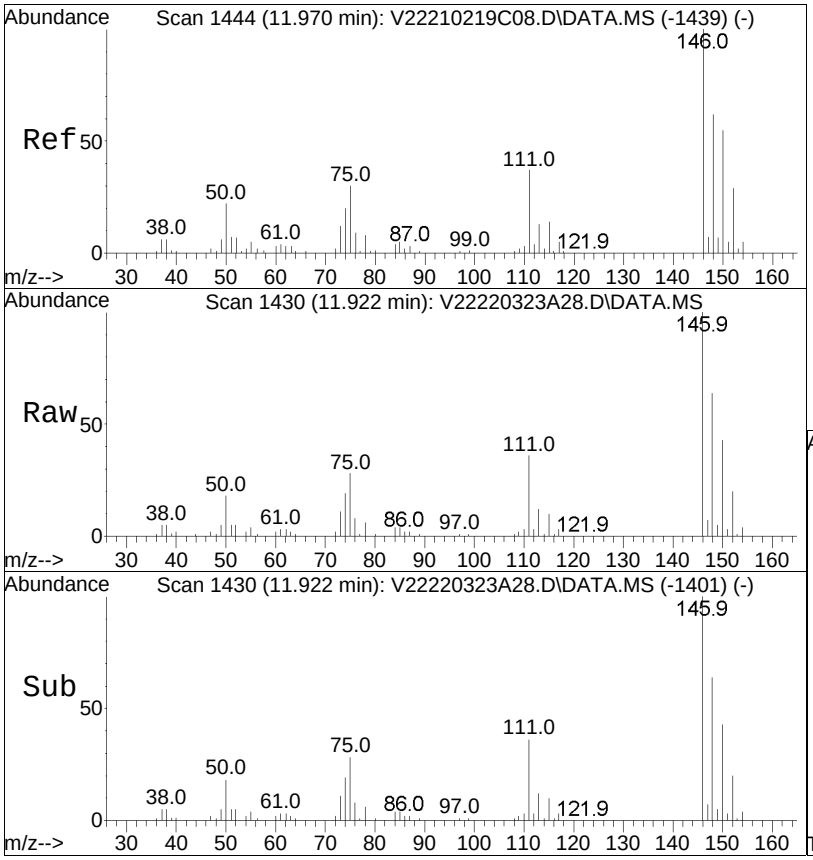


#104
1,3-Dichlorobenzene
Concen: 10.55 ug/L
RT: 11.825 min Scan# 1416
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:146 Resp: 154613

Ion	Ratio	Lower	Upper
146	100		
111	37.9	24.0	49.8
148	64.6	41.8	86.8

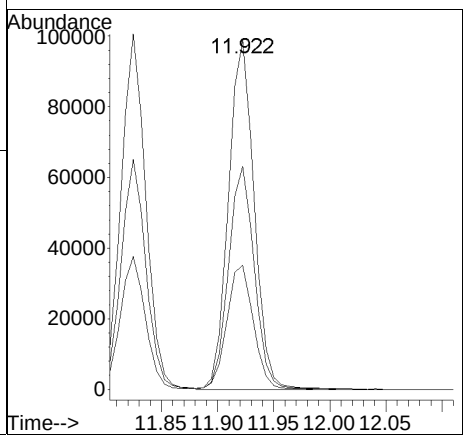


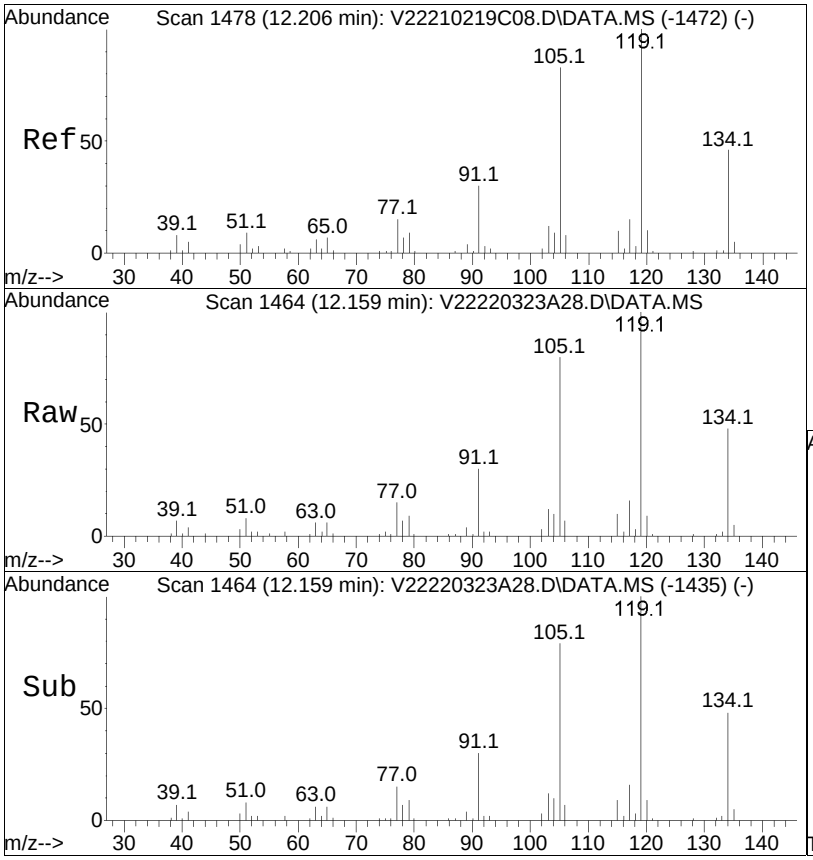


#105
1,4-Dichlorobenzene
Concen: 10.62 ug/L
RT: 11.922 min Scan# 1430
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:146 Resp: 157355

Ion	Ratio	Lower	Upper
146	100		
111	36.8	28.9	43.3
148	64.2	51.4	77.2

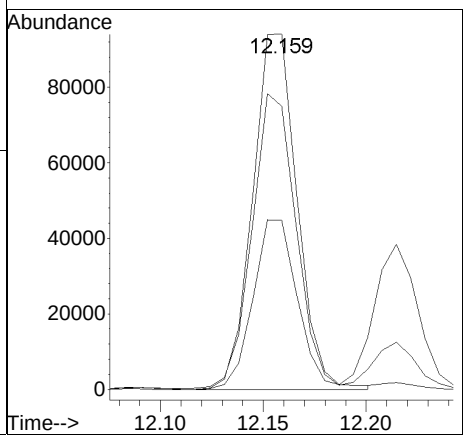


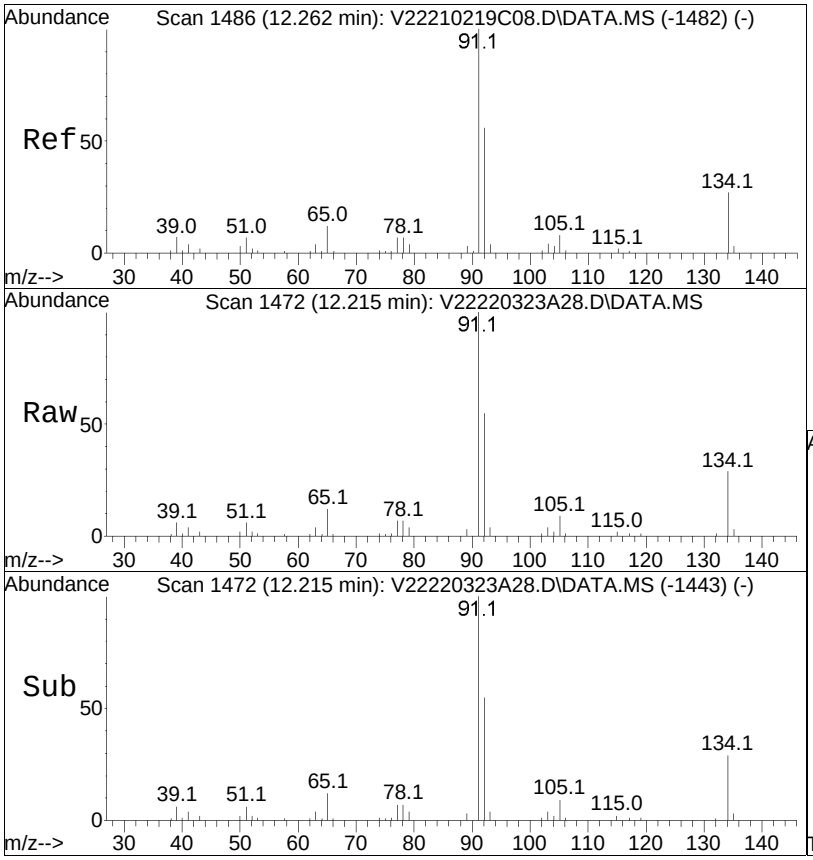


#106
p-Diethylbenzene
Concen: 8.88 ug/L
RT: 12.159 min Scan# 1464
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:119 Resp: 141659

Ion	Ratio	Lower	Upper
119	100		
105	82.2	53.4	110.8
134	47.6	30.9	64.1

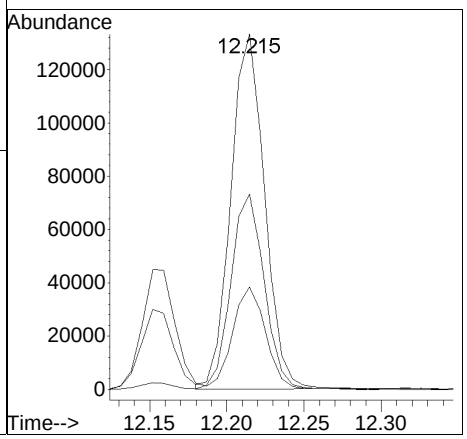


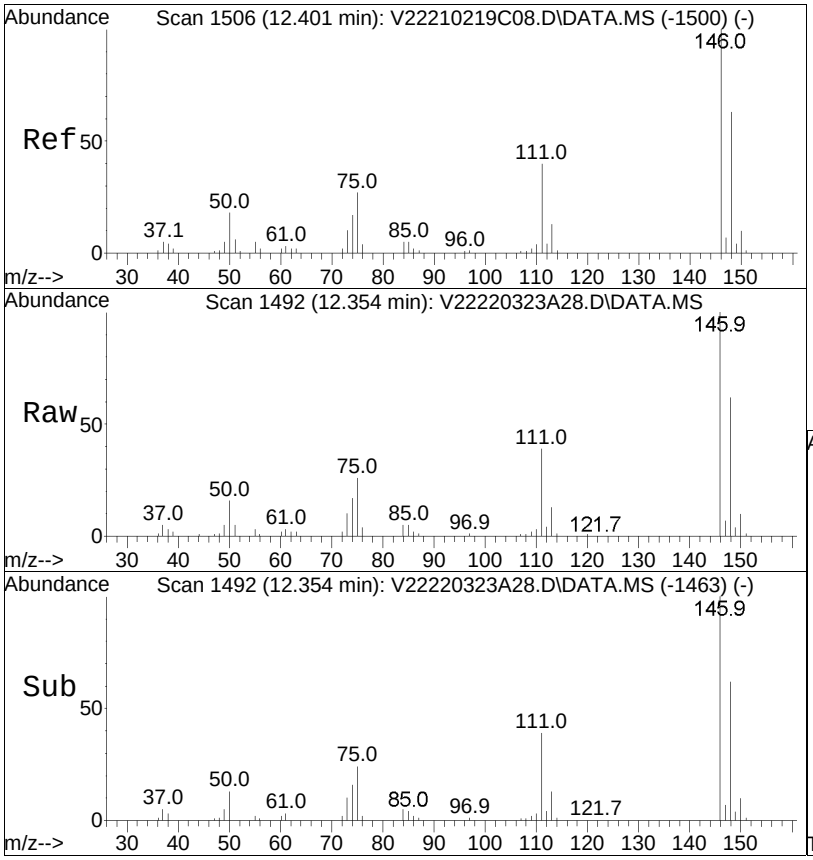


#107
n-Butylbenzene
Concen: 9.17 ug/L
RT: 12.215 min Scan# 1472
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion: 91 Resp: 202504

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.6	66.8
134	28.4	22.9	34.3

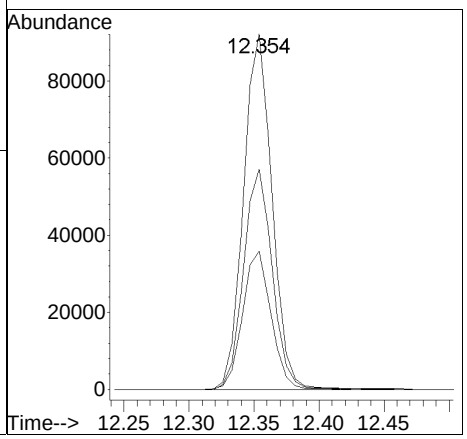


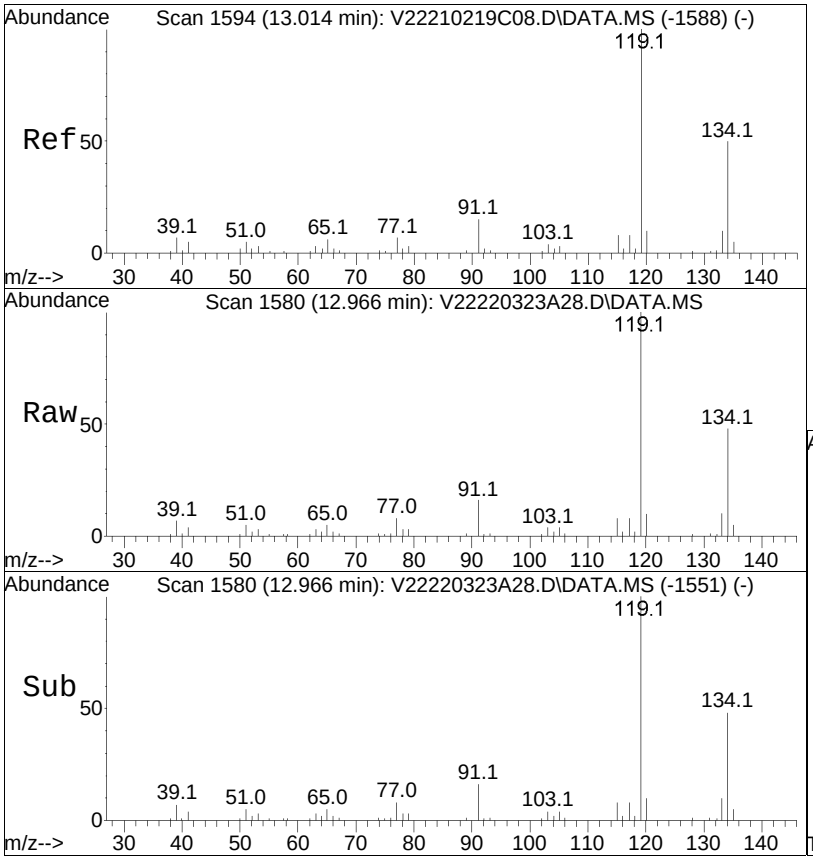


#108
1,2-Dichlorobenzene
Concen: 10.54 ug/L
RT: 12.354 min Scan# 1492
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:146 Resp: 140720

Ion	Ratio	Lower	Upper
146	100		
111	38.9	24.8	51.6
148	62.4	42.2	87.6

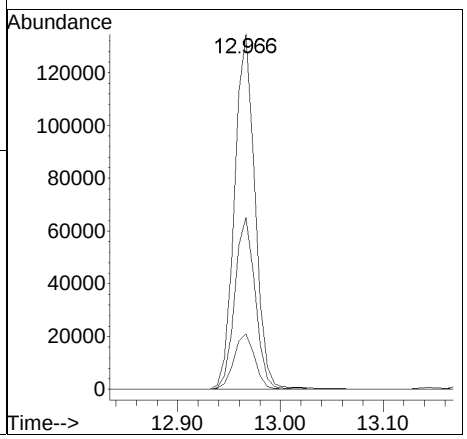


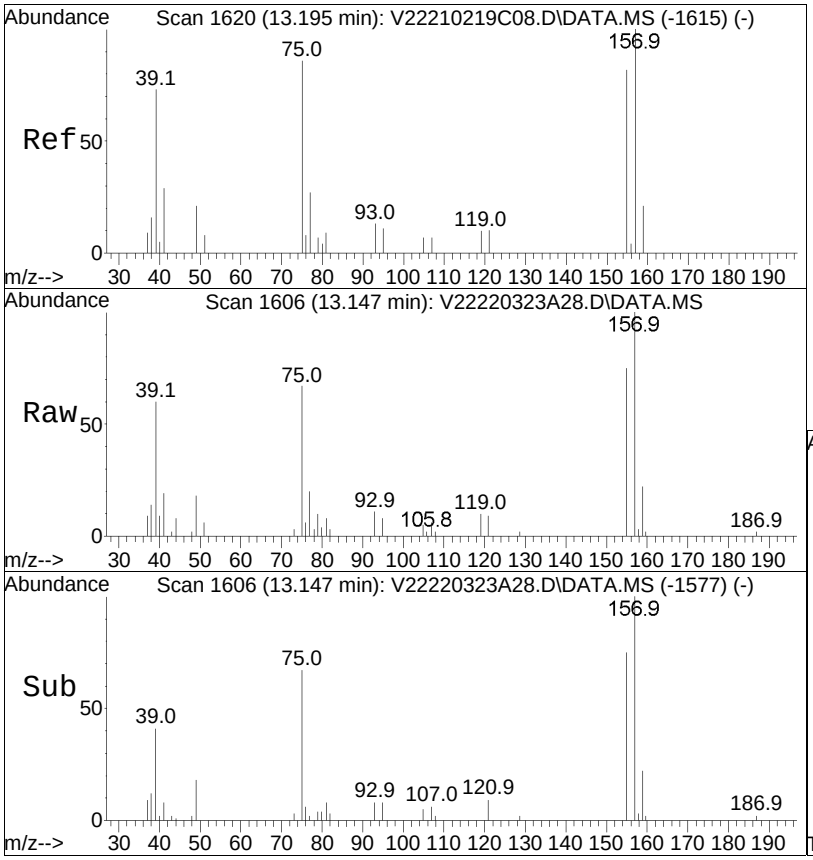


#109
1,2,4,5-Tetramethylbenzene
Concen: 8.01 ug/L
RT: 12.966 min Scan# 1580
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:119 Resp: 187077

Ion	Ratio	Lower	Upper
119	100		
134	48.2	31.9	66.1
91	16.0	9.8	20.3

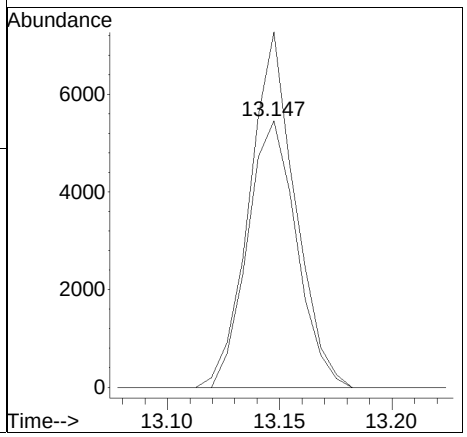


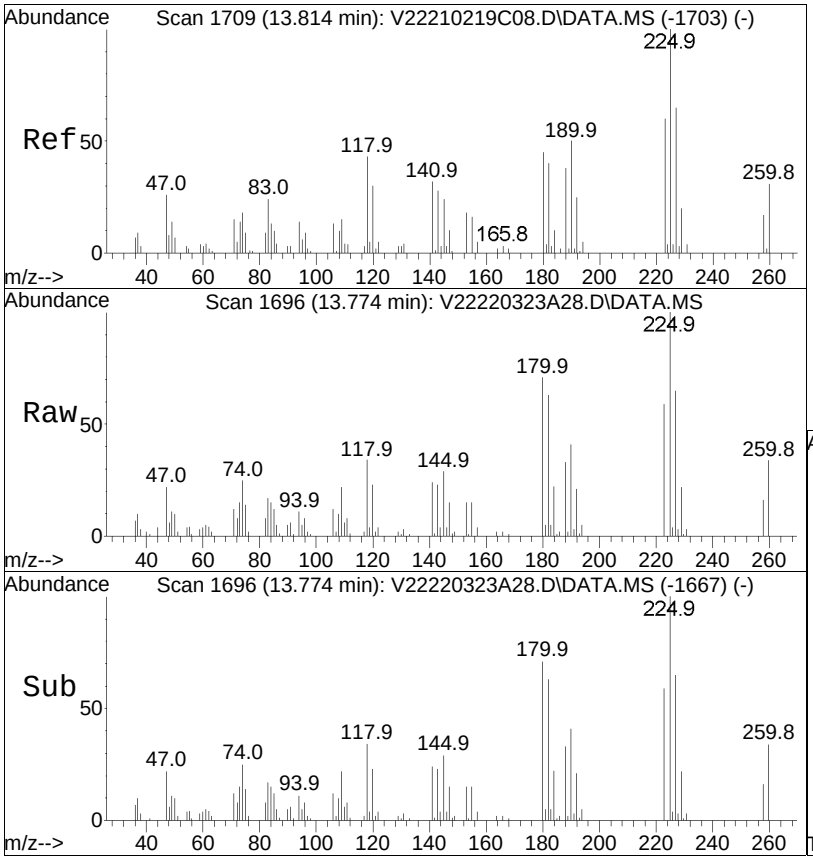


#110
1,2-Dibromo-3-chloropropane
Concen: 9.96 ug/L
RT: 13.147 min Scan# 1606
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:155 Resp: 8282

Ion	Ratio	Lower	Upper
155	100		
157	124.4	102.3	153.5

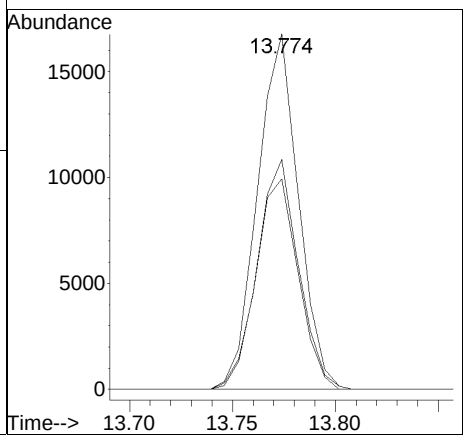


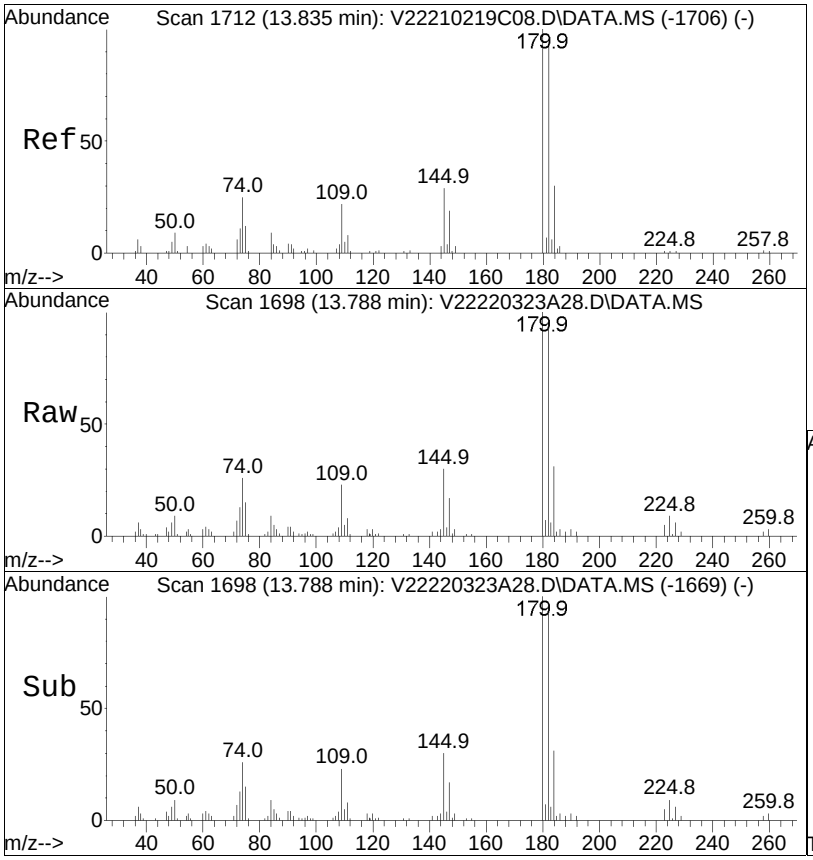


#112
Hexachlorobutadiene
Concen: 7.41 ug/L
RT: 13.774 min Scan# 1696
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:225 Resp: 23239

Ion	Ratio	Lower	Upper
225	100		
223	61.6	49.8	74.8
227	64.9	52.2	78.4

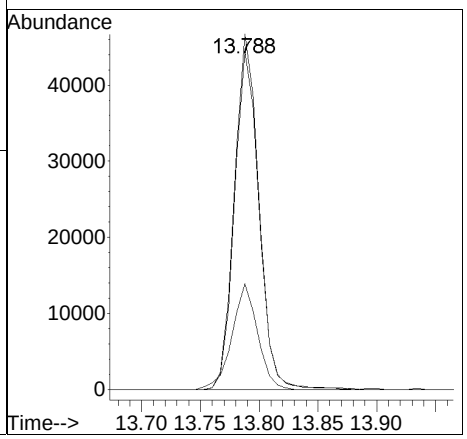


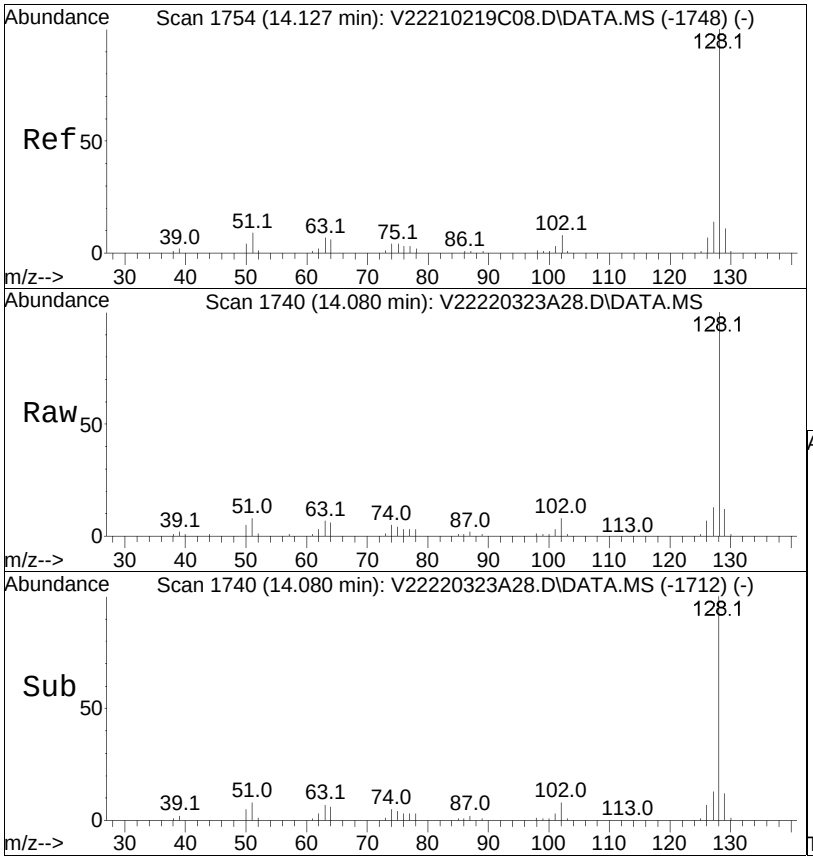


#113
1,2,4-Trichlorobenzene
Concen: 8.73 ug/L
RT: 13.788 min Scan# 1698
Delta R.T. -0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:180 Resp: 67691

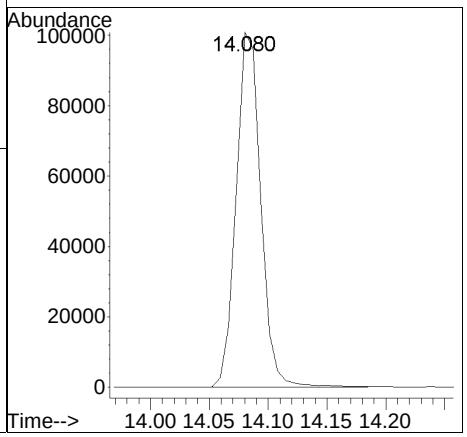
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	114.8
145	30.9	25.5	38.3

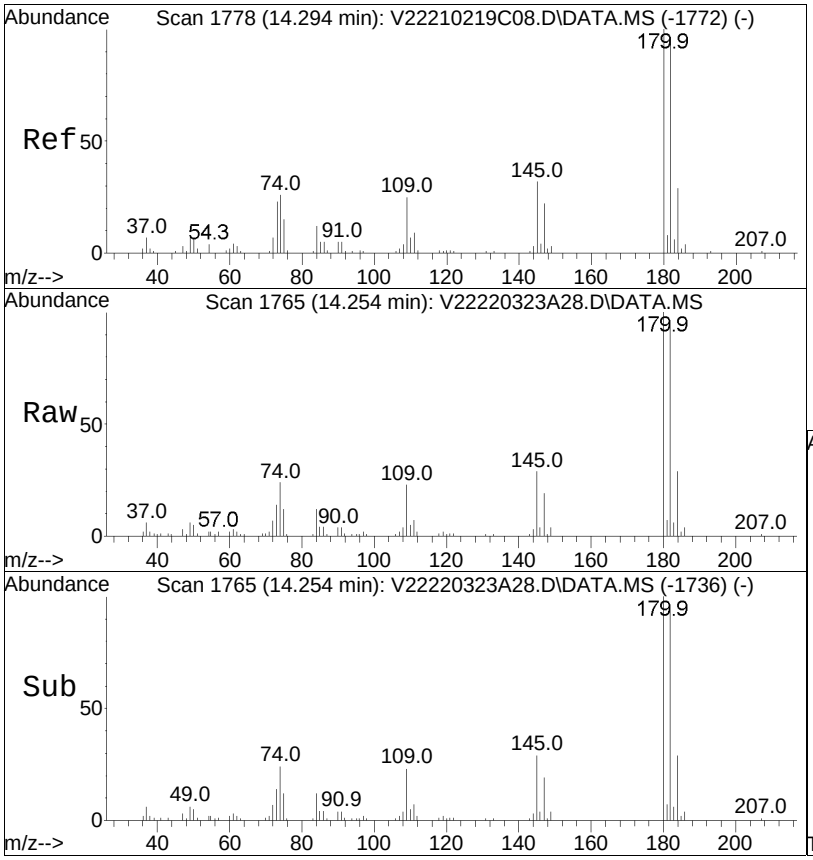




#114
Naphthalene
Concen: 8.39 ug/L
RT: 14.080 min Scan# 1740
Delta R.T. -0.007 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:128 Resp: 147462

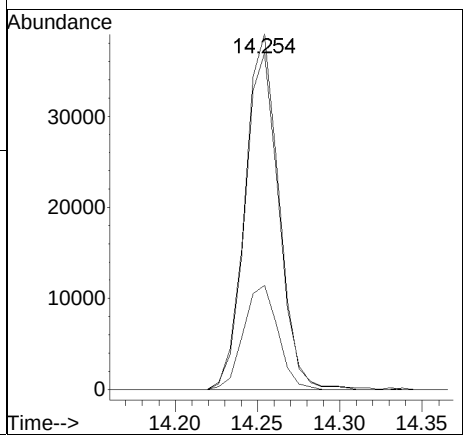




#115
1,2,3-Trichlorobenzene
Concen: 8.34 ug/L
RT: 14.254 min Scan# 1765
Delta R.T. 0.000 min
Lab File: V22220323A28.D
Acq: 23 Mar 2022 08:27 pm

Tgt Ion:180 Resp: 55598

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.0	114.0
145	29.8	23.8	35.8



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2022\2	QMethod	: V122_220128N_8260D.m
Data File	: V22220323A28.D	Operator	: VOA122:KJD
Date Inj'd	: 3/23/2022 8:27 pm	Instrument	: VOA122
Sample	: WG1619277-7,31,10,10,,A2	Quant Date	: 3/24/2022 10:49 am

There are no manual integrations or false positives in this file.

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Mar 30 2022, 09:52 am

Work Group: WG1619277 for Department: 31 GC/MS - Volatiles

Created: 24-MAR-22 Due: Operator: mv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2214008-08	MW-21	S	NYTCL-8260-R2	WATER	DONE	U	0330	0331	S0	Vial-B
L2214084-01	MW-10	S	NYTCL-8260	WATER	DONE	U	0330	0331	S0	Vial-B
L2214084-02	MW-12	S	NYTCL-8260	WATER	DONE	U	0330	0331	S0	Vial-B
L2214084-04	MW-14	S	NYTCL-8260	WATER	DONE	U	0330	0331	S0	Vial-B
L2214084-05	MW-15	S	NYTCL-8260	WATER	DONE	U	0330	0331	S0	Vial-B
L2214084-08	MLW (35-40)	S	NYTCL-8260	WATER	DONE	U	0330	0331	S0	Vial-B
L2214084-10	DUPE	S	NYTCL-8260	WATER	DONE	U	0330	0331	S0	Vial-B
WG1619277-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1619277-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1619277-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1619277-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1619277-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1619277-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1619277-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1619277-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1619277-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG1619277-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1619277-6	Matrix Spike	S	NYTCL-8260	WATER	DONE	U				
WG1619277-6	Matrix Spike	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1619277-7	Matrix Spike Duplica	S	NYTCL-8260	WATER	DONE	U				
WG1619277-7	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DACQ	U				

Comments:

WG1619277-4	WG1619277-3
WG1619277-6	L2214084-02
WG1619277-7	L2214084-02

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Mar 30 2022, 09:52 am

Work Group: WG1619786 for Department: 31 GC/MS - Volatiles

Created: 25-MAR-22 Due: Operator: PD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2214084-03	MW-13	S	NYTCL-8260	WATER	DONE	U	0330	0331	S0	Vial-B
L2214084-06	MW-17	S	NYTCL-8260	WATER	DONE	U	0330	0331	S0	Vial-B
WG1619786-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1619786-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1619786-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1619786-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1619786-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG1619786-4 WG1619786-3

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Mar 30 2022, 09:52 am

Work Group: WG1619815 for Department: 31 GC/MS - Volatiles

Created: 25-MAR-22 Due: Operator: PD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2214084-09	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U		0329 0331	S0	Vial-B
WG1619815-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1619815-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1619815-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1619815-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1619815-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG1619815-4 WG1619815-3

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Mar 30 2022, 09:52 am

Work Group: WG1621241 for Department: 31 GC/MS - Volatiles

Created: 29-MAR-22 Due: Operator: AJK

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2214084-07	MLW (15-20)	S	NYTCL-8260	WATER	DONE	U	0330	0331	S0	Vial-B
L2214910-02	MW-14	S	NYTCL-8260	WATER	DONE	U	0405	0406	S0	Vial-B
L2214910-04	MW-16	S	NYTCL-8260	WATER	DONE	U	0405	0406	S0	Vial-B
L2214910-05	MW-20	S	NYTCL-8260	WATER	DONE	U	0405	0406	S0	Vial-B
L2214910-06	MW-23D	S	NYTCL-8260	WATER	DONE	U	0405	0406	S0	Vial-B
L2214910-07	MW-23M	S	NYTCL-8260	WATER	DONE	U	0405	0406	S0	Vial-B
L2214910-08	MW-24	S	NYTCL-8260	WATER	DONE	U	0405	0406	S0	Vial-B
L2214910-09	MW-27	S	NYTCL-8260	WATER	SEC	U	0405	0406	S0	Vial-B
L2214910-10	MW-28	S	NYTCL-8260	WATER	DONE	U	0405	0406	S0	Vial-B
L2214910-11	MW-30	S	NYTCL-8260	WATER	DONE	U	0405	0406	S0	Vial-B
L2215270-01	INFLU DAY 14	S	NYTCL-8260	WATER	DONE	U	0406	0406	S0	Vial-B
L2215270-02	EFFLU DAY 14 CONTROL - 1	S	NYTCL-8260	WATER	SENT	U	0406	0406	S0	Vial-B
L2215270-03	EFFLU DAY 14 CONTROL - 2	S	NYTCL-8260	WATER	DONE	U	0406	0406	S0	Vial-B
L2215270-04	EFFLU DAY 14 GS - 1	S	NYTCL-8260	WATER	DONE	U	0406	0406	S0	Vial-B
L2215270-05	EFFLU DAY 14 GS - 2	S	NYTCL-8260	WATER	DONE	U	0406	0406	S0	Vial-B
L2215481-15	WC-MW-04	S	NYTCL-8260	WATER	SEC	U	0407	0331	S0	Vial-B
L2215943-13	TB01_032822	S	NYTCL-8260	WATER	SEC	U	0411	0401	S0	Vial-B
WG1621241-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1621241-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1621241-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1621241-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1621241-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG1621241-4 WG1621241-3

Inst: VOA122 BFB: V8824 Method GC: 8260_WATER
Initials: TMS IS/SS: V8843 Autosampler: 8260WATER
Date: **01/28/22** ICAL: V8841,V8838C Concentrator: 8260
Run: **N** ICV: V8844,V8845,V8814,V8798,V8820,V8797 QC:___Seq:_____

Vial	Data File	Sample	pH<2
1	V22220128NBF1	BFB	
1	V22220128N01	BLK	
2	V22220128N02	BLK	
3	V22220128N03	I8260STD0.19PPB	
4	V22220128N04	I8260STD0.19PPB	
5	V22220128N05	I8260STD0.5PPB	
6	V22220128N06	I8260STD0.5PPB	
7	V22220128N07	I8260STD2PPB	
8	V22220128N08	I8260STD2PPB	
9	V22220128N09	I8260STD10PPB	
10	V22220128N10	I8260STD30PPB	
11	V22220128N11	I8260STD80PPB	
12	V22220128N12	I8260STD120PPB	
13	V22220128N13	I8260STD200PPB	
14	V22220128N14	BLK	
15	V22220128N15	BLK	
16	V22220128N16	BLK	
17	V22220128N17	BLK	
18	V22220128N18	C8260STD10PPB	
19	V22220128N19	C8260STD10PPB	
20	V22220128N20	BLK	
21	V22220128N21	BLK	
22	V22220128N22	MDL BLK	
23	V22220128N23	L11 0.19PPB	
24	V22220128N24	L1 0.5PPB	
25	V22220128N25	L2 2PPB	
26	V22220128N26	BLK	

Method

Inst: VOA105 BFB: V8824 GC: 8260

Initials: LAC IS/SS: V8865 Autosampler: 8260water10ml

Date: **02/08/22** ICAL: V8855B, V8856 Concentrator: 8260

Run: **N** ICV: V8844,V8845,V8862,V8852,V8853,V8854 QC:_____ Seq:_____

Vial	Data File	sample	pH<2
1	V05220208NBF1	BFB TUNE	
1	V05220208N01	BLK	
1	V05220208N02	BLK	
1	V05220208N03	I8260STD0.19	
2	V05220208N04	I8260STD0.19	
3	V05220208N05	I8260STD0.5	
4	V05220208N06	I8260STD0.5	
5	V05220208N07	I8260STD2	
6	V05220208N08	I8260STD2	
7	V05220208N09	I8260STD10	
8	V05220208N10	I8260STD30	
9	V05220208N11	I8260STD80	
10	V05220208N12	I8260STD120	
11	V05220208N13	I8260STD200	
12	V05220208N14	BLK	
13	V05220208N15	BLK	
14	V05220208N16	BLK	
15	V05220208N17	BLK	
16	V05220208N18	C8260STD10	
17	V05220208N19	C8260STD10	
18	V05220208N20	BLK	
19	V05220208N21	METHOD BLK	
20	V05220208N22	MDL L11	
21	V05220208N23	MDL L1	
22	V05220208N24	MDL L2	

				Method	
Inst:	Elaine	BFB:	V8922	GC:	8260
Initials:	AJK	IS/SS:	V8927	Autosampler:	8260water10mL
Date:	**03/16/22**	ICAL:	V8921,V8929B	Concentrator:	8260
Run:	**N**	ICV:	V8891,V8892,V8913,V8900,V8899,V8930	QC:	Seq:

Vial	DATA FILE	SAMPLE	pH<2
1	VE220316NBF1	BFB TUNE	
1	VE220316N01	BLK	
2	VE220316N02	BLK	
3	VE220316N03	I8260STD0.19PPB	
4	VE220316N04	I8260STD0.19PPB	
5	VE220316N05	I8260STD0.5PPB	
6	VE220316N06	I8260STD0.5PPB	
7	VE220316N07	I8260STD2PPB	
8	VE220316N08	I8260STD2PPB	
9	VE220316N09	I8260STD10PPB	
10	VE220316N10	I8260STD30PPB	
11	VE220316N11	I8260STD80PPB	
12	VE220316N12	I8260STD120PPB	
13	VE220316N13	I8260STD200PPB	
14	VE220316N14	BLK	
15	VE220316N15	BLK	
16	VE220316N16	BLK	
17	VE220316N17	BLK	
18	VE220316N18	BLK	
19	VE220316N19	C8260STD10PPB	
20	VE220316N20	C8260STD10PPB	

Inst: VOA122 BFB: V8922 Method GC: 8260_WATER
Initials: PD IS/SS: V8923 Autosampler: 8260WATER
Date: **03/23/22** ICAL: V8898A,V8938 Concentrator: 8260
Run: **A** QC:___ Seq:_____

Vial	Data File	Sample		pH<2
1	V22220323ABF1	BFB TUNE 09:13		
1	V22220323A01	8260 CCAL LCS		
2	V22220323A02	8260 CCAL LCSD		
3	V22220323A03	8260 CCAL		
4	V22220323A04	BLK		
5	V22220323A05	METHOD BLK		
6	V22220323A06	L2213885-01,31,10,10,,A	ME8260CURVE	pH<2
7	V22220323A07	L2213885-02,31,10,10,,A	ME8260CURVE	pH<2
8	V22220323A08	L2212469-19D2,31,1.0,10,,C	PA/MTBE	pH<2
9	V22220323A09	DSTD		
10	V22220323A10	L2214006-01,31,10,10,,A	NJ/15	pH<2
11	V22220323A11	L2214006-02,31,10,10,,A	NJ/15	pH<2
12	V22220323A12	L2214006-03,31,10,10,,A	NJ/15	pH<2
13	V22220323A13	L2214006-04,31,10,10,,A	NJ/15	pH<2
14	V22220323A14	L2214006-05,31,10,10,,A	NJ/15	pH<2
15	V22220323A15	L2214006-06,31,10,10,,A	NJ/15	pH<2
16	V22220323A16	L2214006-07,31,10,10,,A	NJ/15	pH<2
17	V22220323A17	L2214084-01,31,10,10,,A	NYTCL	pH<2
18	V22220323A18	L2214084-02,31,10,10,,A	NYTCL	pH<2
19	V22220323A19	L2214084-03,31,10,10,,A	NYTCL	pH<2
20	V22220323A20	L2214084-04,31,10,10,,A	NYTCL	pH<2
21	V22220323A21	L2214084-05,31,10,10,,A	NYTCL	pH<2
22	V22220323A22	L2214084-06,31,10,10,,A	NYTCL	pH>2
23	V22220323A23	L2214084-07,31,10,10,,A	NYTCL	pH<2
24	V22220323A24	L2214084-08,31,10,10,,A	NYTCL	pH<2
25	V22220323A25	L2214084-10,31,10,10,,A	NYTCL	pH<2
26	V22220323A26	L2214008-08D,31,2.0,10,,A	NYCURVE OILY	pH<2
27	V22220323A27	L2214084-02MS,31,10,10,,A1	NYTCL	pH<2
28	V22220323A28	L2214084-02MSD,31,10,10,,A2	NYTCL	pH<2
29	V22220323A29	HSTD		
30	V22220323A30	BLK		
31	V22220323A31	BLK		
32	V22220323A32	BLK		

Method

Inst: Elaine BFB: V8922 GC: 8260

Initials: MJV IS/SS: V8927 Autosampler: 8260water10mL

Date: **03/24/22** ICAL: V8938,V8929B Concentrator: 8260

Run: **A** QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE			pH<2
1	VE220324ABF1	BFB TUNE 06:48			
1	VE220324A01	8260 CCAL LCS			
2	VE220324A02	8260 CCAL LCSD			
3	VE220324A03	8260 CCAL			
4	VE220324A04	BLK			
5	VE220324A05	METHOD BLK			
6	VE220324A06	L2215025-05,31,10,10,,A,R2F	NJ/10/NAPH/JB	FB	pH<2
7	VE220324A07	L2215025-06,31,10,10,,A,R2F	NJ/10/NAPH/JB	TB	pH<2
8	VE220324A08	L2215025-07,31,10,10,,A,R2F	NJ/10/NAPH/JB		pH<2
9	VE220324A09	L2215025-09,31,10,10,,A,R2F	NJ/10/NAPH/JB		pH<2
10	VE220324A10	L2215025-01D,31,1.0,10,,A,R2F	NJ/10/NAPH/JB		pH<2
11	VE220324A11	L2215025-03D,31,0.25,10,,A,R2F	NJ/10/NAPH/JB		pH<2
12	VE220324A12	L2214073-04D,31,0.5,10,,C	NJ/14DCB		pH<2
13	VE220324A13	L2214006-04D,31,1.0,10,,C	NJ/DCDFM		pH<2
14	VE220324A14	L2214006-05,31,10,10,,C	NJ/15		pH<2
15	VE220324A15	L2214084-03,31,10,10,,C	NYTCL		pH<2
16	VE220324A16	L2214084-06,31,10,10,,C	NYTCL		pH>2
17	VE220324A17	BLNK			
18	VE220324A18	L2214073-07,31,10,10,,A	NJ/15		pH<2
19	VE220324A19	L2214073-08,31,10,10,,A	NJ/15	FB	pH<2
20	VE220324A20	L2214264-01,31,10,10,,A	NJ/15	TB	pH<2
21	VE220324A21	L2214264-02,31,10,10,,A	NJ/15		pH>2
22	VE220324A22	L2214264-03,31,10,10,,A	NJ/15		pH<2
23	VE220324A23	L2214508-01,31,10,10,,A	NJ/15		pH<2
24	VE220324A24	L2213384-10,31,10,10,,A	8260	TB	pH<2
25	VE220324A25	L2213384-01,31,10,10,,A	8260		pH>2
26	VE220324A26	L2213384-02,31,10,10,,A	8260		pH>2
27	VE220324A27	L2215025-01DUP,31,1.0,10,,A,R2F	NJ QC		pH<2
28	VE220324A28	L2215025-01MS,31,1.0,10,,A,R2F	NJ QC		pH<2

Method

Inst: VOA105 BFB: V8922 GC: 8260

Initials: PD IS/SS: V8927 Autosampler: 8260water10ml

Date: **03/24/22** ICAL: V8898A,V8938 Concentrator: 8260

Run: **A** QC:_____ Seq:_____

Vial	Data File	sample			
1	V05220324ABF1	BFB TUNE 06:49			
1	V05220324A01	8260 CCAL LCS			
2	V05220324A02	8260 CCAL LCSD			
3	V05220324A03	8260 CCAL			
4	V05220324A04	BLK			
5	V05220324A05	METHOD BLK			
6	V05220324A06	I2214084-09,31,10,10,,a	NYTCL	TB	pH<2
7	V05220324A07	I2213475-01,31,10,10,,a,pri	NJ/15	TB	pH<2
8	V05220324A08	I2213475-02,31,10,10,,a,pri	NJ/15	FB	pH<2
9	V05220324A09	I2213475-03d,31,0.05,10,,a,pri	NJ/15		pH<2
10	V05220324A10	I2213475-04d,31,0.1,10,,a,pri	NJ/15		pH<2
11	V05220324A11	I2213475-05d,31,0.05,10,,a,pri	NJ/15		pH<2
12	V05220324A12	I2213475-06d,31,0.05,10,,a,pri	NJ/15		pH<2
13	V05220324A13	I2213475-07d,31,0.05,10,,a,pri	NJ/15		pH<2
14	V05220324A14	I2213475-08d,31,0.05,10,,a,pri	NJ/15		pH<2
15	V05220324A15	I2213475-09d,31,0.1,10,,a,pri	NJ/15		pH<2
16	V05220324A16	I2213475-10d,31,0.1,10,,a,pri	NJ/15		pH<2
17	V05220324A17	I2213482-01,31,10,10,,a	NJ/15/124TMB		pH<2
18	V05220324A18	I2213482-02,31,10,10,,a	NJ/15/124TMB		pH<2
19	V05220324A19	I2213511-09,31,10,10,,a	NJ/15		pH<2
20	V05220324A20	I2213511-10,31,10,10,,a	NJ/15		pH<2
21	V05220324A21	I2213579-01,31,10,10,,a	NJ/15		pH<2
22	V05220324A22	I2213579-03,31,10,10,,a	NJ/15		pH<2
23	V05220324A23	I2213579-05,31,10,10,,a	NJ/15		pH<2
24	V05220324A24	I2213579-02d,31,1.0,10,,a	NJ/15		pH<2
25	V05220324A25	I2213579-04d,31,0.5,10,,a	NJ/15		pH<2
26	V05220324A26	I2213579-02DUP,31,1.0,10,,a	NJQC		pH<2
27	V05220324A27	I2213579-02MS,31,1.0,10,,a	NJQC		pH<2

Method

Inst: Elaine BFB: V8922 GC: 8260

Initials: MJV IS/SS: V8927 Autosampler: 8260water10mL

Date: **03/29/22** ICAL: V8947,V8929B Concentrator: 8260

Run: **A** QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE			pH<2
1	VE220329ABF1	BFB TUNE 06:31			
1	VE220329A01	8260 CCAL LCS			
2	VE220329A02	8260 CCAL LCSD			
3	VE220329A03	8260 CCAL			
4	VE220329A04	BLK			
5	VE220329A05	METHOD BLK			
6	VE220329A06	L2215943-13,31,10,10,,A,PRI	NY CURVE	TB	pH<2
7	VE220329A07	L2214084-07,31,10,10,,C	NYTCL		pH<2
8	VE220329A08	L2215481-15D,31,2.5,10,,F,PRI	NY/AC		pH<2
9	VE220329A09	L2215270-01,31,10,10,,A	NYTCL		pH<2
10	VE220329A10	L2215270-02,31,10,10,,A	NYTCL		pH<2
11	VE220329A11	L2215270-03,31,10,10,,A	NYTCL		pH<2
12	VE220329A12	L2215270-04,31,10,10,,A	NYTCL		pH<2
13	VE220329A13	L2215270-05,31,10,10,,A	NYTCL		pH<2
14	VE220329A14	L2214910-02D,31,0.005,10,,A	NYTCL		pH<2
15	VE220329A15	L2214910-03D,31,0.5,10,,A	NYTCL		pH<2
16	VE220329A16	L2214910-04D,31,4.0,10,,A	NYTCL		pH<2
17	VE220329A17	L2214910-05D,31,0.25,10,,A	NYTCL		pH<2
18	VE220329A18	L2214910-06D,31,2.5,10,,A	NYTCL		pH<2
19	VE220329A19	L2214910-07D,31,0.01,10,,A	NYTCL		pH<2
20	VE220329A20	L2214910-08D,31,1.0,10,,A	NYTCL		pH<2
21	VE220329A21	L2214910-09D,31,0.4,10,,A	NYTCL		pH<2
22	VE220329A22	L2214910-10D,31,0.04,10,,A	NYTCL		pH<2
23	VE220329A23	L2214910-11D,31,0.05,10,,A	NYTCL		pH<2
24	VE220329A24	L2214910-01D,31,0.5,10,,A	NYTCL		pH<2
25	VE220329A25	BLNK			
26	VE220329A26	L2214460-01D,31,0.2,10,,A	NH-8260/MATRIX2	VERY OILY	pH<2
27	VE220329A27	d-STD			

ANALYTICAL REPORT

Lab Number:	L2214095
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Nicholas Russell
Phone:	(212) 786-7424
Project Name:	FORMER BRIGHTON CLEANERS
Project Number:	CIR2201
Report Date:	03/31/22

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201

Lab Number: L2214095
Report Date: 03/31/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2214095-01	AA-01	AIR	3140 CONEY ISLAND AVE.	03/16/22 17:06	03/17/22
L2214095-02	SS-01	SOIL_VAPOR	3140 CONEY ISLAND AVE.	03/16/22 17:05	03/17/22
L2214095-03	AA-02	AIR	3140 CONEY ISLAND AVE.	03/16/22 17:38	03/17/22
L2214095-04	SS-02	SOIL_VAPOR	3140 CONEY ISLAND AVE.	03/16/22 17:30	03/17/22

Project Name:	FORMER BRIGHTON CLEANERS	**Lab Number:**	L2214095
Project Number:	CIR2201	**Report Date:**	03/31/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	FORMER BRIGHTON CLEANERS	**Lab Number:**	L2214095
Project Number:	CIR2201	**Report Date:**	03/31/22

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 15, 2022. The canister certification results are provided as an addendum.

L2214095-03D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 03/31/22

AIR

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201
Lab Number: L2214095
Report Date: 03/31/22

SAMPLE RESULTS

Lab ID: L2214095-01
Client ID: AA-01
Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 03/16/22 17:06
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/29/22 18:16
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.519	0.200	--	2.57	0.989	--		1
Chloromethane	0.515	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	15.9	5.00	--	30.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.00	1.00	--	11.9	2.38	--		1
Trichlorofluoromethane	0.226	0.200	--	1.27	1.12	--		1
Isopropanol	2.61	0.500	--	6.42	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.567	0.500	--	1.97	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	2.34	0.500	--	6.90	1.47	--		1

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Client ID: AA-01
Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 03/16/22 17:06
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.309	0.200	--	1.16	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

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Report Date: 03/31/22

SAMPLE RESULTS

Lab ID: L2214095-01
Client ID: AA-01
Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 03/16/22 17:06
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201
Lab Number: L2214095
Report Date: 03/31/22

SAMPLE RESULTS

Lab ID: L2214095-01
Client ID: AA-01
Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 03/16/22 17:06
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/29/22 18:16
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.307	0.020	--	1.22	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.078	0.020	--	0.491	0.126	--		1
Trichloroethene	0.131	0.020	--	0.704	0.107	--		1
Tetrachloroethene	3.42	0.020	--	23.2	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201
Lab Number: L2214095
Report Date: 03/31/22

SAMPLE RESULTS

Lab ID: L2214095-02 D
Client ID: SS-01
Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 03/16/22 17:05
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/31/22 00:54
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.523	0.323	--	2.59	1.60	--		1.613
Chloromethane	0.737	0.323	--	1.52	0.667	--		1.613
Freon-114	ND	0.323	--	ND	2.26	--		1.613
Vinyl chloride	ND	0.323	--	ND	0.826	--		1.613
1,3-Butadiene	0.452	0.323	--	1.00	0.715	--		1.613
Bromomethane	ND	0.323	--	ND	1.25	--		1.613
Chloroethane	ND	0.323	--	ND	0.852	--		1.613
Ethanol	106	8.06	--	200	15.2	--		1.613
Vinyl bromide	ND	0.323	--	ND	1.41	--		1.613
Acetone	91.4	1.61	--	217	3.82	--		1.613
Trichlorofluoromethane	0.944	0.323	--	5.30	1.82	--		1.613
Isopropanol	5.81	0.806	--	14.3	1.98	--		1.613
1,1-Dichloroethene	ND	0.323	--	ND	1.28	--		1.613
Tertiary butyl Alcohol	10.2	0.806	--	30.9	2.44	--		1.613
Methylene chloride	ND	0.806	--	ND	2.80	--		1.613
3-Chloropropene	ND	0.323	--	ND	1.01	--		1.613
Carbon disulfide	0.356	0.323	--	1.11	1.01	--		1.613
Freon-113	ND	0.323	--	ND	2.48	--		1.613
trans-1,2-Dichloroethene	ND	0.323	--	ND	1.28	--		1.613
1,1-Dichloroethane	ND	0.323	--	ND	1.31	--		1.613
Methyl tert butyl ether	ND	0.323	--	ND	1.16	--		1.613
2-Butanone	13.6	0.806	--	40.1	2.38	--		1.613
cis-1,2-Dichloroethene	0.703	0.323	--	2.79	1.28	--		1.613

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201

Lab Number: L2214095
Report Date: 03/31/22

SAMPLE RESULTS

Lab ID: L2214095-02 D
Client ID: SS-01
Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 03/16/22 17:05
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.806	--	ND	2.90	--		1.613
Chloroform	ND	0.323	--	ND	1.58	--		1.613
Tetrahydrofuran	3.02	0.806	--	8.91	2.38	--		1.613
1,2-Dichloroethane	ND	0.323	--	ND	1.31	--		1.613
n-Hexane	1.15	0.323	--	4.05	1.14	--		1.613
1,1,1-Trichloroethane	ND	0.323	--	ND	1.76	--		1.613
Benzene	0.894	0.323	--	2.86	1.03	--		1.613
Carbon tetrachloride	ND	0.323	--	ND	2.03	--		1.613
Cyclohexane	1.23	0.323	--	4.23	1.11	--		1.613
1,2-Dichloropropane	ND	0.323	--	ND	1.49	--		1.613
Bromodichloromethane	ND	0.323	--	ND	2.16	--		1.613
1,4-Dioxane	1.43	0.323	--	5.15	1.16	--		1.613
Trichloroethene	0.676	0.323	--	3.63	1.74	--		1.613
2,2,4-Trimethylpentane	ND	0.323	--	ND	1.51	--		1.613
Heptane	2.64	0.323	--	10.8	1.32	--		1.613
cis-1,3-Dichloropropene	ND	0.323	--	ND	1.47	--		1.613
4-Methyl-2-pentanone	ND	0.806	--	ND	3.30	--		1.613
trans-1,3-Dichloropropene	ND	0.323	--	ND	1.47	--		1.613
1,1,2-Trichloroethane	ND	0.323	--	ND	1.76	--		1.613
Toluene	2.54	0.323	--	9.57	1.22	--		1.613
2-Hexanone	ND	0.323	--	ND	1.32	--		1.613
Dibromochloromethane	ND	0.323	--	ND	2.75	--		1.613
1,2-Dibromoethane	ND	0.323	--	ND	2.48	--		1.613
Tetrachloroethene	11.8	0.323	--	80.0	2.19	--		1.613
Chlorobenzene	ND	0.323	--	ND	1.49	--		1.613
Ethylbenzene	1.65	0.323	--	7.17	1.40	--		1.613

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201
Lab Number: L2214095
Report Date: 03/31/22

SAMPLE RESULTS

Lab ID: L2214095-02 D
Client ID: SS-01
Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 03/16/22 17:05
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	7.88	0.645	--	34.2	2.80	--		1.613
Bromoform	ND	0.323	--	ND	3.34	--		1.613
Styrene	0.450	0.323	--	1.92	1.38	--		1.613
1,1,2,2-Tetrachloroethane	ND	0.323	--	ND	2.22	--		1.613
o-Xylene	5.36	0.323	--	23.3	1.40	--		1.613
4-Ethyltoluene	3.86	0.323	--	19.0	1.59	--		1.613
1,3,5-Trimethylbenzene	8.86	0.323	--	43.6	1.59	--		1.613
1,2,4-Trimethylbenzene	14.9	0.323	--	73.3	1.59	--		1.613
Benzyl chloride	ND	0.323	--	ND	1.67	--		1.613
1,3-Dichlorobenzene	ND	0.323	--	ND	1.94	--		1.613
1,4-Dichlorobenzene	ND	0.323	--	ND	1.94	--		1.613
1,2-Dichlorobenzene	ND	0.323	--	ND	1.94	--		1.613
1,2,4-Trichlorobenzene	ND	0.323	--	ND	2.40	--		1.613
Hexachlorobutadiene	ND	0.323	--	ND	3.45	--		1.613

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201
Lab Number: L2214095
Report Date: 03/31/22

SAMPLE RESULTS

Lab ID: L2214095-03 D
Client ID: AA-02
Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 03/16/22 17:38
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/30/22 09:18
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	3.33	--	ND	16.5	--		16.67
Chloromethane	ND	3.33	--	ND	6.88	--		16.67
Freon-114	ND	3.33	--	ND	23.3	--		16.67
1,3-Butadiene	3.98	3.33	--	8.80	7.37	--		16.67
Bromomethane	ND	3.33	--	ND	12.9	--		16.67
Chloroethane	ND	3.33	--	ND	8.79	--		16.67
Ethanol	672	83.4	--	1270	157	--		16.67
Vinyl bromide	ND	3.33	--	ND	14.6	--		16.67
Acetone	191	16.7	--	454	39.7	--		16.67
Trichlorofluoromethane	ND	3.33	--	ND	18.7	--		16.67
Isopropanol	8.40	8.34	--	20.6	20.5	--		16.67
Tertiary butyl Alcohol	48.8	8.34	--	148	25.3	--		16.67
Methylene chloride	ND	8.34	--	ND	29.0	--		16.67
3-Chloropropene	ND	3.33	--	ND	10.4	--		16.67
Carbon disulfide	ND	3.33	--	ND	10.4	--		16.67
Freon-113	ND	3.33	--	ND	25.5	--		16.67
trans-1,2-Dichloroethene	ND	3.33	--	ND	13.2	--		16.67
1,1-Dichloroethane	ND	3.33	--	ND	13.5	--		16.67
Methyl tert butyl ether	ND	3.33	--	ND	12.0	--		16.67
2-Butanone	11.8	8.34	--	34.8	24.6	--		16.67
Ethyl Acetate	ND	8.34	--	ND	30.1	--		16.67
Chloroform	ND	3.33	--	ND	16.3	--		16.67
Tetrahydrofuran	ND	8.34	--	ND	24.6	--		16.67

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201
Lab Number: L2214095
Report Date: 03/31/22

SAMPLE RESULTS

Lab ID: L2214095-03 D
Client ID: AA-02
Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 03/16/22 17:38
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	3.33	--	ND	13.5	--		16.67
n-Hexane	14.2	3.33	--	50.0	11.7	--		16.67
Benzene	ND	3.33	--	ND	10.6	--		16.67
Cyclohexane	ND	3.33	--	ND	11.5	--		16.67
1,2-Dichloropropane	ND	3.33	--	ND	15.4	--		16.67
Bromodichloromethane	ND	3.33	--	ND	22.3	--		16.67
1,4-Dioxane	ND	3.33	--	ND	12.0	--		16.67
2,2,4-Trimethylpentane	ND	3.33	--	ND	15.6	--		16.67
Heptane	33.1	3.33	--	136	13.6	--		16.67
cis-1,3-Dichloropropene	ND	3.33	--	ND	15.1	--		16.67
4-Methyl-2-pentanone	ND	8.34	--	ND	34.2	--		16.67
trans-1,3-Dichloropropene	ND	3.33	--	ND	15.1	--		16.67
1,1,2-Trichloroethane	ND	3.33	--	ND	18.2	--		16.67
Toluene	5.13	3.33	--	19.3	12.5	--		16.67
2-Hexanone	ND	3.33	--	ND	13.6	--		16.67
Dibromochloromethane	ND	3.33	--	ND	28.4	--		16.67
1,2-Dibromoethane	ND	3.33	--	ND	25.6	--		16.67
Chlorobenzene	ND	3.33	--	ND	15.3	--		16.67
Ethylbenzene	8.12	3.33	--	35.3	14.5	--		16.67
p/m-Xylene	38.3	6.67	--	166	29.0	--		16.67
Bromoform	ND	3.33	--	ND	34.4	--		16.67
Styrene	ND	3.33	--	ND	14.2	--		16.67
1,1,2,2-Tetrachloroethane	ND	3.33	--	ND	22.9	--		16.67
o-Xylene	21.3	3.33	--	92.5	14.5	--		16.67
4-Ethyltoluene	17.0	3.33	--	83.6	16.4	--		16.67
1,3,5-Trimethylbenzene	50.4	3.33	--	248	16.4	--		16.67

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201
Lab Number: L2214095
Report Date: 03/31/22

SAMPLE RESULTS

Lab ID: L2214095-03 D
Client ID: AA-02
Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 03/16/22 17:38
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	77.9	3.33	--	383	16.4	--		16.67
Benzyl chloride	ND	3.33	--	ND	17.2	--		16.67
1,3-Dichlorobenzene	ND	3.33	--	ND	20.0	--		16.67
1,4-Dichlorobenzene	ND	3.33	--	ND	20.0	--		16.67
1,2-Dichlorobenzene	ND	3.33	--	ND	20.0	--		16.67
1,2,4-Trichlorobenzene	ND	3.33	--	ND	24.7	--		16.67
Hexachlorobutadiene	ND	3.33	--	ND	35.5	--		16.67

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	94		60-140

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201
Lab Number: L2214095
Report Date: 03/31/22

SAMPLE RESULTS

Lab ID: L2214095-03 D
Client ID: AA-02
Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 03/16/22 17:38
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/30/22 09:18
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.333	--	ND	0.851	--		16.67
1,1-Dichloroethene	ND	0.333	--	ND	1.32	--		16.67
cis-1,2-Dichloroethene	ND	0.333	--	ND	1.32	--		16.67
1,1,1-Trichloroethane	ND	0.333	--	ND	1.82	--		16.67
Carbon tetrachloride	ND	0.333	--	ND	2.09	--		16.67
Trichloroethene	ND	0.333	--	ND	1.79	--		16.67
Tetrachloroethene	3.55	0.333	--	24.1	2.26	--		16.67

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	96		60-140

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201
Lab Number: L2214095
Report Date: 03/31/22

SAMPLE RESULTS

Lab ID: L2214095-04
Client ID: SS-02
Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 03/16/22 17:30
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/31/22 01:34
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.472	0.200	--	2.33	0.989	--		1
Chloromethane	0.642	0.200	--	1.33	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	19.9	5.00	--	37.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	8.61	1.00	--	20.5	2.38	--		1
Trichlorofluoromethane	0.214	0.200	--	1.20	1.12	--		1
Isopropanol	1.56	0.500	--	3.83	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.529	0.500	--	1.56	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201
Lab Number: L2214095
Report Date: 03/31/22

SAMPLE RESULTS

Lab ID: L2214095-04
Client ID: SS-02
Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 03/16/22 17:30
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	0.513	0.500	--	1.85	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.220	0.200	--	0.703	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.233	0.200	--	0.955	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.808	0.200	--	3.04	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201
Lab Number: L2214095
Report Date: 03/31/22

SAMPLE RESULTS

Lab ID: L2214095-04
Client ID: SS-02
Sample Location: 3140 CONEY ISLAND AVE.

Date Collected: 03/16/22 17:30
Date Received: 03/17/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	80		60-140

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201
Lab Number: L2214095
Report Date: 03/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/29/22 16:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01,03 Batch: WG1621165-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L2214095

Project Number: CIR2201 **Report Date:** 03/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/29/22 15:57

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,03 Batch: WG1621167-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L2214095

Project Number: CIR2201 **Report Date:** 03/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/29/22 15:57

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,03 Batch: WG1621167-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201
Lab Number: L2214095
Report Date: 03/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/29/22 15:57

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,03 Batch: WG1621167-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: FORMER BRIGHTON CLEANERS **Lab Number:** L2214095

Project Number: CIR2201 **Report Date:** 03/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/30/22 15:59

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02,04 Batch: WG1621680-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201
Lab Number: L2214095
Report Date: 03/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/30/22 15:59

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02,04 Batch: WG1621680-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201
Lab Number: L2214095
Report Date: 03/31/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/30/22 15:59

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02,04 Batch: WG1621680-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201

Lab Number: L2214095
Report Date: 03/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01,03 Batch: WG1621165-3								
Vinyl chloride	79		-		70-130	-		25
1,1-Dichloroethene	85		-		70-130	-		25
cis-1,2-Dichloroethene	78		-		70-130	-		25
1,1,1-Trichloroethane	92		-		70-130	-		25
Carbon tetrachloride	93		-		70-130	-		25
Trichloroethene	89		-		70-130	-		25
Tetrachloroethene	89		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201

Lab Number: L2214095
Report Date: 03/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03 Batch: WG1621167-3								
Dichlorodifluoromethane	82		-		70-130	-		
Chloromethane	83		-		70-130	-		
Freon-114	83		-		70-130	-		
Vinyl chloride	82		-		70-130	-		
1,3-Butadiene	94		-		70-130	-		
Bromomethane	79		-		70-130	-		
Chloroethane	85		-		70-130	-		
Ethanol	124		-		40-160	-		
Vinyl bromide	95		-		70-130	-		
Acetone	108		-		40-160	-		
Trichlorofluoromethane	88		-		70-130	-		
Isopropanol	103		-		40-160	-		
1,1-Dichloroethene	89		-		70-130	-		
Tertiary butyl Alcohol	93		-		70-130	-		
Methylene chloride	93		-		70-130	-		
3-Chloropropene	108		-		70-130	-		
Carbon disulfide	124		-		70-130	-		
Freon-113	100		-		70-130	-		
trans-1,2-Dichloroethene	89		-		70-130	-		
1,1-Dichloroethane	88		-		70-130	-		
Methyl tert butyl ether	89		-		70-130	-		
2-Butanone	97		-		70-130	-		
cis-1,2-Dichloroethene	84		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR2201

Lab Number: L2214095

Report Date: 03/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03 Batch: WG1621167-3								
Ethyl Acetate	100		-		70-130	-		
Chloroform	90		-		70-130	-		
Tetrahydrofuran	92		-		70-130	-		
1,2-Dichloroethane	85		-		70-130	-		
n-Hexane	105		-		70-130	-		
1,1,1-Trichloroethane	96		-		70-130	-		
Benzene	89		-		70-130	-		
Carbon tetrachloride	100		-		70-130	-		
Cyclohexane	103		-		70-130	-		
1,2-Dichloropropane	93		-		70-130	-		
Bromodichloromethane	112		-		70-130	-		
1,4-Dioxane	104		-		70-130	-		
Trichloroethene	93		-		70-130	-		
2,2,4-Trimethylpentane	108		-		70-130	-		
Heptane	107		-		70-130	-		
cis-1,3-Dichloropropene	98		-		70-130	-		
4-Methyl-2-pentanone	107		-		70-130	-		
trans-1,3-Dichloropropene	84		-		70-130	-		
1,1,2-Trichloroethane	95		-		70-130	-		
Toluene	85		-		70-130	-		
2-Hexanone	105		-		70-130	-		
Dibromochloromethane	115		-		70-130	-		
1,2-Dibromoethane	94		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201

Lab Number: L2214095
Report Date: 03/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03 Batch: WG1621167-3								
Tetrachloroethene	92		-		70-130	-		
Chlorobenzene	95		-		70-130	-		
Ethylbenzene	90		-		70-130	-		
p/m-Xylene	92		-		70-130	-		
Bromoform	118		-		70-130	-		
Styrene	92		-		70-130	-		
1,1,2,2-Tetrachloroethane	98		-		70-130	-		
o-Xylene	94		-		70-130	-		
4-Ethyltoluene	101		-		70-130	-		
1,3,5-Trimethylbenzene	95		-		70-130	-		
1,2,4-Trimethylbenzene	98		-		70-130	-		
Benzyl chloride	118		-		70-130	-		
1,3-Dichlorobenzene	97		-		70-130	-		
1,4-Dichlorobenzene	95		-		70-130	-		
1,2-Dichlorobenzene	93		-		70-130	-		
1,2,4-Trichlorobenzene	87		-		70-130	-		
Hexachlorobutadiene	88		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR2201

Lab Number: L2214095

Report Date: 03/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02,04 Batch: WG1621680-3								
Dichlorodifluoromethane	83		-		70-130	-		
Chloromethane	92		-		70-130	-		
Freon-114	88		-		70-130	-		
Vinyl chloride	86		-		70-130	-		
1,3-Butadiene	98		-		70-130	-		
Bromomethane	91		-		70-130	-		
Chloroethane	85		-		70-130	-		
Ethanol	84		-		40-160	-		
Vinyl bromide	94		-		70-130	-		
Acetone	96		-		40-160	-		
Trichlorofluoromethane	92		-		70-130	-		
Isopropanol	93		-		40-160	-		
1,1-Dichloroethene	89		-		70-130	-		
Tertiary butyl Alcohol	86		-		70-130	-		
Methylene chloride	106		-		70-130	-		
3-Chloropropene	98		-		70-130	-		
Carbon disulfide	85		-		70-130	-		
Freon-113	97		-		70-130	-		
trans-1,2-Dichloroethene	88		-		70-130	-		
1,1-Dichloroethane	90		-		70-130	-		
Methyl tert butyl ether	91		-		70-130	-		
2-Butanone	100		-		70-130	-		
cis-1,2-Dichloroethene	92		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR2201

Lab Number: L2214095

Report Date: 03/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02,04 Batch: WG1621680-3								
Ethyl Acetate	90		-		70-130	-		
Chloroform	94		-		70-130	-		
Tetrahydrofuran	94		-		70-130	-		
1,2-Dichloroethane	90		-		70-130	-		
n-Hexane	96		-		70-130	-		
1,1,1-Trichloroethane	102		-		70-130	-		
Benzene	93		-		70-130	-		
Carbon tetrachloride	95		-		70-130	-		
Cyclohexane	96		-		70-130	-		
1,2-Dichloropropane	100		-		70-130	-		
Bromodichloromethane	103		-		70-130	-		
1,4-Dioxane	99		-		70-130	-		
Trichloroethene	106		-		70-130	-		
2,2,4-Trimethylpentane	101		-		70-130	-		
Heptane	107		-		70-130	-		
cis-1,3-Dichloropropene	107		-		70-130	-		
4-Methyl-2-pentanone	105		-		70-130	-		
trans-1,3-Dichloropropene	89		-		70-130	-		
1,1,2-Trichloroethane	111		-		70-130	-		
Toluene	103		-		70-130	-		
2-Hexanone	102		-		70-130	-		
Dibromochloromethane	114		-		70-130	-		
1,2-Dibromoethane	112		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER BRIGHTON CLEANERS

Project Number: CIR2201

Lab Number: L2214095

Report Date: 03/31/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02,04 Batch: WG1621680-3								
Tetrachloroethene	103		-		70-130	-		
Chlorobenzene	104		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Bromoform	100		-		70-130	-		
Styrene	103		-		70-130	-		
1,1,2,2-Tetrachloroethane	111		-		70-130	-		
o-Xylene	104		-		70-130	-		
4-Ethyltoluene	110		-		70-130	-		
1,3,5-Trimethylbenzene	108		-		70-130	-		
1,2,4-Trimethylbenzene	110		-		70-130	-		
Benzyl chloride	72		-		70-130	-		
1,3-Dichlorobenzene	105		-		70-130	-		
1,4-Dichlorobenzene	105		-		70-130	-		
1,2-Dichlorobenzene	111		-		70-130	-		
1,2,4-Trichlorobenzene	114		-		70-130	-		
Hexachlorobutadiene	113		-		70-130	-		

Project Name: FORMER BRIGHTON CLEANERS

Lab Number: L2214095

Project Number: CIR2201

Report Date: 03/31/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2214095-01	AA-01	0181	Flow 5	03/15/22	380769		-	-	-	Pass	4.5	4.4	2
L2214095-01	AA-01	2464	2.7L Can	03/15/22	380769	L2210522-05	Pass	-28.7	-5.8	-	-	-	-
L2214095-02	SS-01	0616	Flow 5	03/15/22	380769		-	-	-	Pass	4.5	4.7	4
L2214095-02	SS-01	503	2.7L Can	03/15/22	380769	L2212162-04	Pass	-29.0	-5.6	-	-	-	-
L2214095-03	AA-02	01279	Flow 5	03/15/22	380769		-	-	-	Pass	4.5	4.4	2
L2214095-03	AA-02	496	2.7L Can	03/15/22	380769	L2212162-04	Pass	-29.0	-7.2	-	-	-	-
L2214095-04	SS-02	01704	Flow 5	03/15/22	380769		-	-	-	Pass	4.5	4.4	2
L2214095-04	SS-02	2075	2.7L Can	03/15/22	380769	L2210522-05	Pass	-29.2	-6.7	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2210522
Report Date: 03/31/22

Air Canister Certification Results

Lab ID: L2210522-05
Client ID: CAN 2896 SHELF 37
Sample Location:

Date Collected: 02/28/22 18:00
Date Received: 03/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/01/22 23:10
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2210522
Report Date: 03/31/22

Air Canister Certification Results

Lab ID: L2210522-05
Client ID: CAN 2896 SHELF 37
Sample Location:

Date Collected: 02/28/22 18:00
Date Received: 03/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2210522
Report Date: 03/31/22

Air Canister Certification Results

Lab ID: L2210522-05
Client ID: CAN 2896 SHELF 37
Sample Location:

Date Collected: 02/28/22 18:00
Date Received: 03/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2210522
Report Date: 03/31/22

Air Canister Certification Results

Lab ID: L2210522-05
Client ID: CAN 2896 SHELF 37
Sample Location:

Date Collected: 02/28/22 18:00
Date Received: 03/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2210522
Report Date: 03/31/22

Air Canister Certification Results

Lab ID: L2210522-05
Client ID: CAN 2896 SHELF 37
Sample Location:

Date Collected: 02/28/22 18:00
Date Received: 03/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2210522
Report Date: 03/31/22

Air Canister Certification Results

Lab ID: L2210522-05
Client ID: CAN 2896 SHELF 37
Sample Location:

Date Collected: 02/28/22 18:00
Date Received: 03/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/01/22 23:10
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2210522
Report Date: 03/31/22

Air Canister Certification Results

Lab ID: L2210522-05
Client ID: CAN 2896 SHELF 37
Sample Location:

Date Collected: 02/28/22 18:00
Date Received: 03/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2210522
Report Date: 03/31/22

Air Canister Certification Results

Lab ID: L2210522-05
Client ID: CAN 2896 SHELF 37
Sample Location:

Date Collected: 02/28/22 18:00
Date Received: 03/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2212162
Report Date: 03/31/22

Air Canister Certification Results

Lab ID: L2212162-04
Client ID: CAN 727 SHELF 7
Sample Location:

Date Collected: 03/08/22 18:00
Date Received: 03/09/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/10/22 03:40
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	5.30	5.00	--	6.95	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2212162
Report Date: 03/31/22

Air Canister Certification Results

Lab ID: L2212162-04
Client ID: CAN 727 SHELF 7
Sample Location:

Date Collected: 03/08/22 18:00
Date Received: 03/09/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2212162
Report Date: 03/31/22

Air Canister Certification Results

Lab ID: L2212162-04
Client ID: CAN 727 SHELF 7
Sample Location:

Date Collected: 03/08/22 18:00
Date Received: 03/09/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2212162
Report Date: 03/31/22

Air Canister Certification Results

Lab ID: L2212162-04
Client ID: CAN 727 SHELF 7
Sample Location:

Date Collected: 03/08/22 18:00
Date Received: 03/09/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2212162
Report Date: 03/31/22

Air Canister Certification Results

Lab ID: L2212162-04
Client ID: CAN 727 SHELF 7
Sample Location:

Date Collected: 03/08/22 18:00
Date Received: 03/09/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2212162
Report Date: 03/31/22

Air Canister Certification Results

Lab ID: L2212162-04
Client ID: CAN 727 SHELF 7
Sample Location:

Date Collected: 03/08/22 18:00
Date Received: 03/09/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/10/22 03:40
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2212162
Report Date: 03/31/22

Air Canister Certification Results

Lab ID: L2212162-04
Client ID: CAN 727 SHELF 7
Sample Location:

Date Collected: 03/08/22 18:00
Date Received: 03/09/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2212162

Project Number: CANISTER QC BAT **Report Date:** 03/31/22

Air Canister Certification Results

Lab ID: L2212162-04
Client ID: CAN 727 SHELF 7
Sample Location:

Date Collected: 03/08/22 18:00
Date Received: 03/09/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	95		60-140

Project Name: FORMER BRIGHTON CLEANERS
Project Number: CIR2201

Lab Number: L2214095
Report Date: 03/31/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2214095-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2214095-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2214095-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2214095-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	FORMER BRIGHTON CLEANERS	**Lab Number:**	L2214095
Project Number:	CIR2201	**Report Date:**	03/31/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	FORMER BRIGHTON CLEANERS	**Lab Number:**	L2214095
Project Number:	CIR2201	**Report Date:**	03/31/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report

Project Name:	FORMER BRIGHTON CLEANERS	**Lab Number:**	L2214095
Project Number:	CIR2201	**Report Date:**	03/31/22

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 3/18/22

ALPHA Job #: L2214095

Client Information

Client: P.W. Grosser Consulting
Address: 630 Johnson Ave Ste 7. Bohemia NY 11716
Phone: 631-589-6353
Fax:
Email: NRussell@pwgrosser.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: former Brighton Cleaners
Project Location: 3140 Canal Island Ave.
Project #: CDR2201
Project Manager: Nick Russell
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
14095-01	AA-01	3/16/22	9:38	1706	-30.01	-7.77	AA	NR	2.7L	2464	0181	X					
02	SS-01		9:45	1705	-30.70	-7.72	SV			503	0616	X					
03	AA-02		10:05	1735	-30.33	-7.91	AA			496	01279	X					
04	SS-02		10:06	1736	-38.96	-7.62	SV			2075	01704	X					

ANALYSIS

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
[illegible] AAL 3/17/22	3/17/22 16:05	[illegible] AAL 3/17/22	3/17/22 16:22
[illegible] AAL	3/18/22	[illegible] AAL	3/17/22 20:30
[illegible] DAC 3/18/22	0640	[illegible] DAC	3/18/22 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

APPENDIX D

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353
PWGROSSER.COM
630 JOHNSON AVENUE, STE 7
BOHEMIA, NY 11716
LONG ISLAND • MANHATTAN • SARATOGA SPRINGS • SYRACUSE • SEATTLE • SHELTON

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia, NY 11716
ATTN: Ms. Jennifer Lewis
jenniferl@pwgrosser.com

May 25, 2022

SUBJECT: Former Brighton Cleaners, Data Usability Summary Report

Dear Ms. Lewis,

Enclosed is the final validation report for the fraction listed below. This SDG was received on April 12, 2022. Attachment 1 is a summary of the samples that were reviewed for analysis.

LDC Project #53978:

SDG #	Fraction
L2214084	Volatiles

The data validation was performed under modified Category B guidelines using quality control summaries provided by the laboratory. The analyses were validated using the following documents, as applicable to each method:

- USEPA Region 2 Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C, SOP HW-24, Revision 4 (October 2014)
- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-20-005 (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Kevin Kha
kkha@lab-data.com
Project Manager/Senior Chemist

Category B (10% of data)

LDC# 53978 (P.W. Grosser Consulting - Bohemia, NY / Coney Island)

LDC	SDG#	DATE REC'D	(3) DATE DUE	VOA (8260C)																															
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	L2214084	04/12/22	05/03/22	1	0																														
Total	T/KK			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Shaded cells indicate Category B validation (all other cells are Category A validation). These sample counts do not include MS, MSD, or DUP's.

V:\LOGIN\PW Grosser\Coney Island\53978ST.wpd

Site:	Former Brighton Cleaners
Laboratory:	Alpha Analytical, Inc., Mansfield, MA
Report No.:	L2214084
Reviewer:	Josephine Go and Kevin Kha/Laboratory Data Consultants for P.W. Grosser Consulting
Date:	May 25, 2022

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW-12	L2214084-02	VOC
MW-12MS	L2214084-02MS	VOC
MW-12MSD	L2214084-02MSD	VOC

Associated QC Samples(s):
Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed water sample was collected on March 17, 2022 and was analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-Method 8260B and 8260C,* SOP HW-24, Revision 4 (October 2014) and the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA 540-R-20-005 (November 2020), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	ICAL RRF (Limits)	Associated Samples		Validation Action
01/28/22	ICAL-VOA122	1,4-Dioxane	0.001 (≥0.005)	MW-12	+	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane result was estimated due to response factor exceedance. The bias cannot be determined. The result can be used for project objectives as nondetect with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Continuing Calibration:

Compounds that did not meet criteria are summarized in the following tables.

Date	Instrument ID	Compound	CCAL RRF (Limits)	Associated Samples		Validation Action
03/23/22	V22220323A01	1,4-Dioxane	0.00105 (≥0.005)	MW-12	+	J detects/UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,4-dioxane result was estimated due to response factor exceedance. The bias cannot be determined. The result can be used for project objectives as an estimated value (J) or nondetect with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
03/23/22	V22220323A01	Vinyl chloride	28.4	MW-12	XX	J detects/UJ nondetects
		Bromomethane	52.0		XX	J detects/UJ nondetects
		Chloroethane	75.5		XX	J detects/UJ nondetects
		1,4-Dioxane	23.4		XX	J detects/UJ nondetects
		2-Hexanone	36.4		XX	J detects/UJ nondetects
		trans-1,4-Dichloro-2-butene	22.6		XX	J detects/UJ nondetects
		Naphthalene	24.3		XX	J detects/UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The vinyl chloride, bromomethane, chloroethane, 1,4-dioxane, 2-hexanone, trans-1,4-dichloro-2-butene, and naphthalene results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

MS/MSD analyses were performed on sample MW-12 for VOC analysis. The following table lists the MS/MSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

MS ID	Compound	MS %R (Limits)	MS/D %R (Limits)	Affected Sample	Validation Action
MW-12MS/MSD	Vinyl chloride	160 (54-140)	160 (54-140)	MW-12	J detects
MW-12MS/MSD	Chloroethane	210 (55-138)	220 (55-138)	MW-12	None
MW-12MS/MSD	trans-1,4-Dichloro-2-butene	60 (70-130)	64 (70-130)	MW-12	UJ nondetects

- Within control limits

The vinyl chloride result may be biased high due to high MS/MSD percent recoveries. The result can be used for project objectives as an estimated value (J) which may have a minor impact on the data usability.

Validation action was not required for chloroethane due to high MS/MSD recoveries as positive results only are affected and this compound was not detected in the associated sample.

The trans-1,4-dichloro-2-butene result may be biased low due to low MS/MSD percent recoveries. The results can be used for project objectives as nondetect with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The following table lists the MS/MSD relative percent differences (RPD) outside of control limits in the VOC analysis and the resulting validation actions.

MS ID	Compound	RPD (Limits)	Affected Sample	Validation Action
MW-12MS/MSD	Bromomethane	54 (≤20)	MW-12	None

Validation action was not required for bromomethane due to MS/MSD relative percent difference exceedance as positive results only are affected and this compound was not detected in the associated sample.

LCS Results

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
WG169277-3,4 LCS/LCSD	Bromomethane	150 (39-139)	150 (39-139)	MW-12	None
	Chloroethane	180 (55-138)	180 (55-138)		

- Within control limits

Validation action was not required for bromomethane and chloroethane due to high LCS/LCSD recoveries as positive results only are affected and these compounds were not detected in the associated sample.

Internal Standards

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

No results were reported below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analysis.

Dilutions were not required for VOC analysis.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-02	**Date Collected**	: 03/16/22 10:55
Client ID	: MW-12	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 16:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A18	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L				
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**	
75-09-2	Methylene chloride	ND	2.5	0.70	U	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	2.0	0.50	0.18		
108-90-7	Chlorobenzene	ND	2.5	0.70	U	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U	
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	UJ

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-02	**Date Collected**	: 03/16/22 10:55
Client ID	: MW-12	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 16:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A18	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L				
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**	
75-01-4	Vinyl chloride	0.67	1.0	0.07	J	J
75-00-3	Chloroethane	ND	2.5	0.70	U	UJ
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	U
79-01-6	Trichloroethene	0.87	0.50	0.18		
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
1330-20-7	Xylenes, Total	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	1.0	2.5	0.70	J	J
540-59-0	1,2-Dichloroethene, Total	1.0	2.5	0.70	J	J
74-95-3	Dibromomethane	ND	5.0	1.0	U	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U	
107-13-1	Acrylonitrile	ND	5.0	1.5	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	ND	5.0	1.5	U	
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	
108-05-4	Vinyl acetate	ND	5.0	1.0	U	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-02	**Date Collected**	: 03/16/22 10:55
Client ID	: MW-12	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 16:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A18	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L				
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**	
591-78-6	2-Hexanone	ND	5.0	1.0	U	UJ
74-97-5	Bromochloromethane	ND	2.5	0.70	U	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U	
108-86-1	Bromobenzene	ND	2.5	0.70	U	
104-51-8	n-Butylbenzene	ND	2.5	0.70	U	
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U	
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U	
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U	
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U	
91-20-3	Naphthalene	ND	2.5	0.70	U	UJ
103-65-1	n-Propylbenzene	ND	2.5	0.70	U	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U	
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U	
123-91-1	1,4-Dioxane	ND	250	61.	U	UJ
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2214084
Project Name	: FORMER BRIGHTON CLEANERS	**Project Number**	: CIR2201
Lab ID	: L2214084-02	**Date Collected**	: 03/16/22 10:55
Client ID	: MW-12	**Date Received**	: 03/17/22
Sample Location	: 3140 CONEY ISLAND AVE, BROOKLYN, NY	**Date Analyzed**	: 03/23/22 16:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V22220323A18	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L				
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**	
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U	↓
60-29-7	Ethyl ether	ND	2.5	0.70	U	↓
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U	UJ

LDC #: 53978A1a **VALIDATION COMPLETENESS WORKSHEET** Date: 05/20/22
SDG #: L2214084 Category B Page: 1 of 1
Laboratory: Alpha Analytical, Inc., Mansfield, MA Reviewer: JVG
2nd Reviewer: KLR

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	SW, A	RSD ≤ 20% r² ICV ≤ 30%
IV.	Continuing calibration	SW	%D ≤ 20%
V.	Laboratory Blanks	A	
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	SW	LCS/D
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	
XIII.	Target analyte identification	A	
XIV.	System performance	A	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW-12	L2214084-02	Water	03/17/22
2	MW-12MS	L2214084-02MS	Water	03/17/22
3	MW-12MSD	L2214084-02MSD	Water	03/17/22
4				
5				
6				
7				
8				
9				

Notes:

	WG1619277-5 BLK						

Method: Volatiles (EPA SW 846 Method 8260)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) ≤ 20% and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation findings worksheet.		✓		
VI. Field blanks				
Were field blanks were identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	✓			
Were retention times within ± 30 seconds of the associated calibration standard?	✓			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	✓			
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target analyte identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did analyte spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
Were manual integrations reviewed and found acceptable?			✓	
Did the laboratory provide before and after integration printouts?			✓	
XIV. System performance				
System performance was found to be acceptable.	✓			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2.
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2.
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2.
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2.
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2.
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2.
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2.
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2.
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2.
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2.
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2.
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2.
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2.
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2.
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.	Z2.

LDC #: 53978A1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Page: 1 of 1
Reviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
(Y) N N/A Were percent relative standard deviations (%RSD) ≤ 20% and relative response factors (RRF) within the method criteria?
(Y) N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation? $r^2 \geq 0.99$
(Y) N N/A Did the initial calibration meet the acceptance criteria for the curve?

#	Date	Standard ID	Compound	Finding %RSD (Limit: ≤15%/20.0%)	Finding RRF (Limit)	Associated Samples	Qualifications
	01/28/22	ICAL-VOA122	HHHH		0.001 (≥0.005)	All (ND)	J/UJ/A

LDC #: 53978 A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y (N) N/A Were percent differences (%D) ≤20 % and relative response factors (RRF) within the method criteria?

#	Date	Standard ID	Compound	Finding %D (Limit: <20.0%)	Finding RRF (Limit)	Associated Samples	Qualifications
	03/23/22	V22220323A01	C	28.4		All (ND + Det)	J / UJ / A
			B	52.0			
			D	75.5			
			HHHH	23.4			
			Z	36.4			
			YYYY	22.6			
			MMM	24.3			
			HHH		0.00105 (20.005)		

Note: * = Ave RRF failed method criteria but within validation criteria

LDC #: 53978A1a

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Reviewer: JVG

METHOD : GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	2/3	C	160 (54-140)	160 (54-140)	( )	1 (Det)	J dets/A
		D	210 (55-138)	220 (55-138)	( )	(ND)	
		YYYY	60 (70-130)	64 (70-130)	( )		J/UJ/A
		B	( )	( )	54 (20)		J dets/A
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC #: 53978 A1a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a LCS required?

Y (N) N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	WG169277-3,4	B	150 (39-139)	150 (39-139)	( )	All (ND)	J dets /p
	LCSD	D	180 (55-138)	180 (55-138)	( )	↓ ↓	↓
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
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			( )	( )	( )		
			( )	( )	( )		

LDC #: 53943A1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$RRF = (A_x)(C_{is})/(A_{is})(C_x)$
average RRF = sum of the RRFs/number of standards
%RSD = 100 * (S/X)

A_x = Area of Compound
C_x = Concentration of compound,
S= Standard deviation of the RRFs,

A_{is} = Area of associated internal standard
C_{is} = Concentration of internal standard
X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF 10 std)	Recalculated RRF (RRF 10 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL VOA122	01/28/22	Chloroform (FBZ)	0.477	0.477	0.444	0.444	15.70	15.73
			Tetrachloroethene (CBZ)	0.328	0.328	0.305	0.305	14.62	14.68
			Naphthalene (DCB)	1.410	1.410	1.420	1.420	2.07	2.07

LDC # 53943A1a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
RRF = (Ax)(Cis)/(Ais)(Cx)

Where:
ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
Ax = Area of compound,
Cx = Concentration of compound,
Ais = Area of associated internal standard
Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound	(IS)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported % D	Recalculated %D
1	V22220323A01 VOA122	03/23/22	Chloroform	(FBZ)	0.444	0.453	0.453	2.0	2.0
			Tetrachloroethene	(CBZ)	0.305	0.333	0.333	9.2	9.2
			Naphthalene	(DCB)	1.420	1.075	1.075	24.3	24.3

LDC #: 53978A1Q

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane	10.0	12.363	124	124	0
1,2-Dichloroethane-d4		11.549	115	115	
Toluene-d8		9.474	95	95	
Bromofluorobenzene	↓	8.228	82	82	✓

Comments: _____

LDC #: 58978 A1a

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * (SSC - SC)/SA Where: SSC = Spiked sample concentration; SA = Spike added; SC = Sample concentration

RPD = | MSC - MSC | * 2/(MSC + MSDC) MSC = Matrix spike concentration MSDC = Matrix spike duplicate concentration

MS/MSD sample: 2/3

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
1,1-Dichloroethene	10.0	10.0	0	13	13	130	130	130	130	0	0
Trichloroethene			0.87	12	12	111	111	111	111	0	0
Benzene			0	12	12	120	120	120	120	0	0
Toluene				11	11	110	110	110	110	0	0
Chlorobenzene	✓	✓	✓	11	11	110	110	110	110	0	0

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 53478A1a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the target analytes identified below using the following calculation:

% Recovery = 100 * SSC/SA

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC)

Where: SSC = Spiked sample concentration
SA = Spike added
LCSC = Laboratory control sample concentration
LCSDC = Laboratory control sample duplicate concentration

LCS ID: WG619277-3, 4

Compound	Spike Added (ug/L)		Spiked Sample Concentration (ug/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
1,1-Dichloroethene	10.0	10.0	11	11	110	110	110	110	0	0
Trichloroethene	↓	↓	10	11	100	100	110	110	10	10
Benzene			11	11	110	110	110	110	0	0
Toluene			10	10	100	106	100	100	6	6
Chlorobenzene	↓	↓	10	11	100	100	110	110	10	10

Comments: _____

LDC #: 53978 A1a

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

The concentration of the sample was calculated for the target analytes identified below using the following calculation:

$$\text{Concentration} = \frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the target analyte to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. 1, PCE

$$\text{Conc.} = \frac{85\,(8756)(10)}{(142748)(0.305)}$$

$$= 2.01 \text{ ug/L}$$

#	Sample ID	Compound	Reported Concentration (ug/L)	Calculated Concentration (ug/L)	Qualification
	1	PCE	2.0	2.0	—

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **C224157**

Site Name Former Brighton Cleaners

Site Address: 3140 Coney Island Ave Zip Code: 11235
City/Town: Brooklyn
County: Kings
Site Acreage: 0.090

Reporting Period: March 18, 2021 to March 18, 2022

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C224157 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
8678-64	3140 Coney Island Realty, LLC	Monitoring Plan O&M Plan IC/EC Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan

- compliance with the Environmental Easement and the approved SMP;
- restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH or county DOH;
- allows the use and development of controlled property for Restricted residential, commercial, and industrial use as defined in Part 375-1.8(g), although land use is subject to local zoning laws.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
8678-64	Vapor Mitigation Cover System Air Sparging/Soil Vapor Extraction Groundwater Treatment System

- site cover system
- soil vapor extraction system
- ssds system
- in-situ chemical oxidation (ISCO)

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C224157

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I OLEG BLINSHTEYN at 3140 Coney Island Ave,

print name — print business address

am certifying as _____ (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

_____ 6-27-22

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I PAUL K. BOYCE (print name) at P.W. GROSSER CONSULTING, 630 JOHNSON AVE, SUITE 7, BOHEMIA NY 11716 (print business address),

am certifying as a Professional Engineer for the Owner (Owner or Remedial Party)

STATE OF NEW YORK
PAUL KENNETH BOYCE
074604
LICENSED PROFESSIONAL ENGINEER

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

06.24.2022
Date